



**REGION AMERICAS** 

## DESCRIPTION

Unreinforced, improved resistance to UV. Medium viscosity.

## TYPICAL PROPERTY VALUES

Revision 20181012

MCCHANICALTensile Stress, yiki, Type I, 50 mm /min51MPaASTM D 538Tensile Stress, yiki, Type I, 50 mm /min300% MPaASTM D 538Flexural Mesck, I, 3 mm /min, 50 mm span82MPaASTM D 730Hardness, Rockwell R0340MPaASTM D 780Hardness, Rockwell R1002MPaASTM D 780Impact, motched, 23°C10021/mASTM D 780Izod Impact, motched, 23°C531/mASTM D 780Modified Cardner, 23°C531/mASTM D 565Modified Cardner, 23°C531/mASTM D 568Modified Cardner, 23°C541/mASTM D 568TEREMAL	PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Tensile Strain, birk, "type I, 50 mm /min, 50 mm span300%%1M 0 58Flexural Modulus, 1.3 mm /min, 50 mm span22MPaASIMD 790Harchess, 60x4081R17-ASIMD 790Marchess, 60x4081R17-ASIMD 790Indract, motoched, 23°C1002//maASIMD 263Modulus, 1.0 mm other, 23°C402//maASIMD 263Modified Gardner, 23°C403%ASIMD 263Modified Gardner, 23°C154%CASIMD 648CTE, 40°C to 40°C, flow154%CASIMD 648CTE, 40°C to 40°C, flow18051°CASIMD 648CTE, 40°C to 40°C, flow139:041°CASIMD 792Specific Cavity0.861°CASIMD 792Specific Cavity0.81-ASIMD 792Mold Shrinkage, flow, 72-3 mm0.91.63%CASIMD 792Mold Shrinkage, flow, 72-3 mm0.91.63%CSABC methodMold Shrinkage, flow, 72-3 mm1.72%ISSABC methodMold Shrinkage, flow, 72-3 mm1.62.4%ISSABC methodMold Shrinkage, flow, 72-4 mm3.2%ISSABC methodDielectric Strength, Inal, 1.6 mm3.2MID 194MID 194	MECHANICAL			
Hexural Steary M, 1.3 mm/min, 50 mm span82MPaASTM D 790Flexural Modulus, 1.3 mm/min, 50 mm span2340MPaASTM D 790Hardnes, Rockwell R170MPaASTM D 780MRACT102J/mASTM D 781Izod Impact, notched, 23°C53J/mASTM D 286Mdfiel Gardner, 23°C53J/mASTM D 286Mdfiel Gardner, 23°C54°CASTM D 286HDT, 1.82 MPa, 6.4 mm, unannealed54°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed54°CASTM D 648CTE, 40°C to 138°C flow816051/°CASTM D 782PhysiCALFStaft D 782ASTM D 792Dietoric to 138°C flow9.16Staft D 792Specific Gravity1.31-ASTM D 792Mold Shrinkage, flow, 2.3.4.6 mm1.9-2.3Staft D 792	Tensile Stress, yld, Type I, 50 mm/min	51	MPa	ASTM D 638
Percent all odditions in spane2340MPaASTM D 790Harchess, Rockwell R17-ASTM D 785IMPACT500//mASTM D 785Ized impact, notched, 23°C53//mASTM D 256Molfield Gardner, 23°C60//mASTM D 256Molfield Gardner, 23°C60//mASTM D 256HDT, 142 MPa, 64 mm, unannealed54°CASTM D 648CTE, 40°C to 40°C, flow81001/°CASTM D 648CTE, 40°C to 138°C, flow81001/°CASTM D 648CTE, 40°C to 138°C, flow81001/°CASTM D 648CTE, 40°C to 40°C, flow81001/°C8100Specific Young81001/°C81001/°CMold Shrinkage, flow, 2.3.4.6 mm16.7.282008200Mold Shrinkage, flow, 2.3.4.6 mm16.7.282008200Mold Shrinkage, flow, 2.3.4.6 mm16.7.282008200	Tensile Strain, brk, Type I, 50 mm/min	300	%	ASTM D 638
Hardness, Rockwell R117.ASTM D 785IMPACTIIIIzod Impact, unotched, 23°C1602J/mASTM D 4812Izod Impact, notched, 23°C33J/mASTM D 266Modified Gardner, 23°C40IASTM D 268HDT, 0.45 MPa, 6.4 mm, unannealed154°CASTM D 648HDT, 1.42 MPa, 6.4 mm, unannealed154°CASTM D 648CTE, 60°C to 33°C, flow1.920-041/°CASTM D 648HDT, 1.42 MPa, 6.4 mm, unannealed1.940-041/°CASTM D 648HDT, 1.42 MPa, 6.4 mm, unannealed1.940-041/°CASTM D 648CTE, 60°C to 33°C, flow1.920-041/°CASTM D 648PHYSICAL1.920-041/°CASTM D 792Specific Gravity0.920-05Gm/9ASTM D 792Vater Absorption, 24 hours0.97Gm/9ASTM D 792Mold Shrinkage, flow, 0.75-2.3 mm0.91-1.6%ASTM D 792Mold Shrinkage, flow, 2.34.6 mm1.5-2.3%SallC methodMold Shrinkage, flow, 2.34.6 mm1.6-2.4%SallC methodMold Shrinkage, flow, 2.34.6 mm1.6-2.4%SallC methodMold Shrinkage, flow, 2.34.6 mm3.2SallC methodMold Shrinkage, flow, 2.34.6 mm1.6-2.4%SallC methodMold Shrinkage, flow, 2.34.6 mm3.2SallC methodMoldMold Shrinkage, flow, 2.34.6 mm3.2SallC methodMoldMold Shrinkage, flow, 2.34.6 mm3.1Sall Sall Sall Sall Sal	Flexural Stress, yld, 1.3 mm/min, 50 mm span	82	MPa	ASTM D 790
IMPACTIzod Impact, unotched, 23°C16021/mASTM D 4812Izod Impact, notched, 23°C531/mASTM D 256Modife Gardner, 23°C643STM D 025Modife Gardner, 23°C643STM D 648THERMAL*CASTM D 648HDT, 1AS MPa, 6.4 mm, unamealed54°CASTM D 648HDT, 1AS MPa, 6.4 mm, unamealed54°CASTM D 648CTE, 40°C to 43°C, flow814051/°CASTM D 648PHYSICA54°CASTM D 648Specific Grady0.3601/°CASTM D 792Specific Grady0.37cm³/gASTM D 792Specific Grady0.88%ASTM D 792Mod Shrinkage, flow, C75-2.3 mm0.98%ASTM D 792Mod Shrinkage, flow, C75-2.3 mm1.9-2.3SABIC methodMold Shrinkage, stow, C75-2.3 mm1.6-2.4%SABIC methodMold Shrinkage, stow, C75-2.3 mm1.6-2.4%SABIC methodMold Shrinkage, flow, C75-2.3 mm1.6-2.4%SABIC methodMold Shrinkage, stow, C75-2.3 mm1.6-2.4%SABIC methodDielectric Strength, in al, T.2 mm3.1.ASTM D 192Dielectric Strength, in al, T.2 mm3.2W/mmASTM D 192Dielectric Strength, in al, T.2 mm3.1Dielectric Strength, in al, T.2 mm0.02Dielectric Strength, in al, T.2 mm0.02Disptoin Foct, 10Hz<	Flexural Modulus, 1.3 mm/min, 50 mm span	2340	MPa	ASTM D 790
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İzd impact, notched, 23°C53J/mASTM D 256Modified Gardner, 23°C40JASTM D 3029THERMALSHDT, 045 MPa, 6.4 mm, unannealed54°CASTM D 648CTE, 40°C to 40°C, flow8.16051/°CASTM E 831CTE, 60°C to 138°C, flow1.39E041/°CASTM E 831PHYSICALSpecific Gravity0.31°.ASTM D 792Specific Gravity0.31°.ASTM D 792Specific Gravity0.31°.ASTM D 792Model Shrinkage, flow, 0.75-2.3 mm0.9-1.6%ASEM centralMold Shrinkage, staw, 0.75-2.3 mm0.9-1.6%ASEM centralMold Shrinkage, flow, 2.74.6 mm1.5-2.3%ASEM centralDid Shrinkage, flow, 2.74.6 mm1.5-2.3%ASEM centralDid Shrinkage, staw, 0.75-2.3 mm0.9-1.6%%SAEM centralMold Shrinkage, flow, 2.74.6 mm1.5-2.3%%SAEM centralDid Shrinkage, flow, 2.74.6 mm1.5-2.3%%%%Mold Shrinkage, flow, 2.74.6 mm1.5-2.3%%%%Displactric Strength, in air, 3.2 mm1.5-2.3%%%%Displactric Strength, in air, 3.2 mm3.3%%%%Displactric Strength, in air, 3.2 mm3.3%%%%Displactric Strength, in air, 3.2 mm3.3%%%%Displactric Strength	IMPACT			
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THERMALHDT, 0.45 MPa, 6.4 mm, unannealed54°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed54°CASTM D 648CTE, 40°C to 40°C, flow8.16051/°CASTM D 648CTE, 60°C to 138°C, flow3.96041/°CASTM D 648PHYSICAL-ASTM D 792Specific Gravity0.76cm/gASTM D 792Vater Absorption, 24 hours0.08%ASTM D 570Mold Shrinkage, flow, 0.75-2.3 mm0.9 - 1.6%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.6 - 2.4%SABIC methodDisleptic Strength, in air, 3.2 mm1.5 - 7.4%SABIC methodDielectric Strength, in air, 3.2 mm3.3.4 - 1.4Mold Shrin 1.6Relative Permittivity, 100 Hz3.1.4 - 1.4.4 - 1.6Disloption Factor, 11 MHz0.002.4 - 1.6 - 1.6Mold Shrin 1.6Disloption Factor, 11 MHz1.0.4 - 1.6 - 1.6.5 - 1.6 - 1.6 <tr <td=""></tr>	Izod Impact, notched, 23°C	53	J/m	ASTM D 256
HDT, 0.45 MPa, 6.4 mm, unannealed154°CASTM D 648HDT, 1.82 MPa, 6.4 mm, unannealed54°CASTM D 648CTE, 40°C to 40°C, flow8.1E051/°CASTM D 831CTE, 60°C to 138°C, flow1.39E-041/°CASTM D 831PHYSCALSTM D 792Specific Gravity0.76cm³/gASTM D 792Vater Absorption, 24 hours0.99 - 1.6%CASTM D 792Mold Shrinkage, flow, 0.75-2.3 mm0.99 - 1.6%CASTM D 792Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.3%RASIM D 648Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.3%RMalk C methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.3%R%RMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%RMalk C methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.3%R%RMold Shrinkage, sflow, 0.75-2.3 mm3.2%R%R%RDisleetric Strength, in air, 3.2 mm1.5 - 2.3%R%R%RDisleetric Strength, in air, 3.2 mm3.3.4MI 1.9%RDisleption Factor, 10 MFz0.02.2%T 1.9%RDisleption Factor, 10 MFz0.02.4MT 1.9%T 1.9Disleption Factor, 10 MFz0.2 <td>Modified Gardner, 23°C</td> <td>40</td> <td>J</td> <td>ASTM D 3029</td>	Modified Gardner, 23°C	40	J	ASTM D 3029
HDT. 1.82 MPa, 6.4 mm, unannealed54°CASTM D 648CTE, 40°C to 40°C, flow8.16051/°CASTM E 831CTE, 60°C to 138°C, flow1.39E041/°CASTM E 831PHYSICALSTM D 792Specific Gravity0.76cm³/gASTM D 792Mold Shrinkage, flow, 0.75-2.3 mm0.98%GASTM D 570Mold Shrinkage, flow, 0.75-2.3 mm0.9 - 1.6%B ABIC methodMold Shrinkage, flow, 0.75-2.3 mm1-1.7%A ABIC methodMold Shrinkage, flow, 0.75-2.3 mm1-1.7%ABIC methodMold Shrinkage, flow, 0.75-2.3 mm1-1.7%ABIC methodMold Shrinkage, flow, 2.3.4.6 mm1.5 - 2.3%BIC methodMold Shrinkage, flow, 2.3.4.6 mm3.6 - 2.4%BIC methodMold Shrinkage, flow, 2.3.4.6 mm1.5 - 2.3%BIC methodMold Shrinkage, flow, 2.3.4.6 mm3.6 - 2.4%BIC methodMold Shrinkage, flow, 2.3.4.6 mm3.6 - 2.4%BIC methodDielectric Strength, in air, 3.2 mm1.5 - 2.3%ImmDielectric Strength, in air, 3.2 mm3.3.4 MIMRelative Permittivity, 10 Hz3.1.4 Mim.4 STM D 150Dissipatio Factor, 10 Hz0.02.4 MIM 150Dissipatio Factor, 10 Hz0.02.4 MIM 150Dissipatio Factor, 10 Hz1.0%C.4 MIM	THERMAL			
CFE40°C to 40°C, flow8.16051/°CASTM E 831CFE40°C to 43°C, flow1.39E.041/°CASTM E 831PHYSICAL	HDT, 0.45 MPa, 6.4 mm, unannealed	154	°C	ASTM D 648
CFE, 60°C to 138°C, flow1,39641/°CASTM E 831PHYSICALSpecific Gravity1,31·ASTM D 792Specific Volume0,76cm³/gASTM D 792Water Absorption, 24 hours0,08%ASTM D 570Mold Shrinkage, flow, 0.75-2.3 mm0,9-1.6%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.5-2.3%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.1.7%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.6-2.4%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.9.7%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%SABIC methodMold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%%%Mold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%%%Mold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%%%Mold Shrinkage, stlow, 0.75-2.3 mm1.9.7%%%%Biotecht Strength, indir, 3.2 mm%%%%%%Dislectric Strength, indir, 3.2 mm%%%%%Dissipation Factor, 10Mz <td>HDT, 1.82 MPa, 6.4 mm, unannealed</td> <td>54</td> <td>°C</td> <td>ASTM D 648</td>	HDT, 1.82 MPa, 6.4 mm, unannealed	54	°C	ASTM D 648
PHYSICALSpecific Gravity1.31-ASTM D 792Specific Volume0.76cm³/gASTM D 792Water Absorption, 24 hours0.8%ASTM D 792Mold Shrinkage, flow, 0.75-2.3 mm0.9-1.6%ASIM ContendMold Shrinkage, flow, 2.3-4.6 mm1.5-2.3%ASIM ContendMold Shrinkage, flow, 2.3-4.6 mm1.6-2.4%SABC methodMold Shrinkage, sflow, 2.3-4.6 mm1.6-2.4%%SABC methodMold Shrinkage, sflow, 2.3-4.6 mm1.6-2.4%%SABC methodMold Shrinkage, sflow, 2.3-4.6 mm1.6-2.4%%Mold ShrinkageMold Shrinkage, sflow, 2.3-4.6 mm1.6-2.4%%Mold ShrinkageDielectric Strength, in air, 3.2 mm1.6-2.4%MinmaASTM D 150Relative Permittivity, 10Hz3.1ASTM D 150Dispation Factor, 10Hz0.002ASTM D 150INECTON MOLDINGIntercentIntercentIntercentIntercentDright Temperature1.03.4%Dright Temperature3.4 <td< td=""><td>CTE, -40°C to 40°C, flow</td><td>8.1E-05</td><td>1/°C</td><td>ASTM E 831</td></td<>	CTE, -40°C to 40°C, flow	8.1E-05	1/°C	ASTM E 831
Specific Gravity1.31- ATM D 792Specific Volume0.76cm³/gATM D 792Vater Absorption, 24 hours0.08%ATM D 570Mold Shrinkage, flow, 0.75-2.3 mm0.9 - 1.6%SaBC methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.3%SaBC methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%SaBC methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%SaBC methodMold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%%%Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%%%Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%%%Mold Shrinkage, sflow, 0.75-2.3 mm1.9 -2.4%%%%Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%%%Mold Shrinkage, sflow, 0.75-2.3 mm1.9 - 2.4%%%%Bielectric Strength, in si, 1.6 mm3.33.1%%%%Bisipation Factor, 10 Miz1.0 - 2.4%%%%%Dispa	CTE, 60°C to 138°C, flow	1.39E-04	1/°C	ASTM E 831
Specific Volume0.76cm³/gATM D 792Water Absorption, 24 hours0.08%ATM D 570Mold Shrinkage, flow, 0.75-2.3 mm0.9 – 1.6%SABIC methodMold Shrinkage, flow, 2.3-4.6 mm1.5 – 2.3%SABIC methodMold Shrinkage, xflow, 0.75-2.3 mm1.6 – 2.4%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.5 – 2.3%%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.5 – 2.3%%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.5 – 2.3%%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%%%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.5 – 2.3%%%%%Bieletric Strength, in air, 3.2 mm9.4.8+16Monton%%%%%Dieletric Strength, inoil, 1.6 mm2.3.2%% <t< td=""><td>PHYSICAL</td><td></td><td></td><td></td></t<>	PHYSICAL			
Vater Absorption, 24 hours0.08%ASTM D 570Mold Shrinkage, flow, 0.75-2.3 mm0.9 – 1.6%ASIC methodMold Shrinkage, flow, 2.3.4.6 mm1.5 – 2.3%ABIC methodMold Shrinkage, xflow, 2.3.4.6 mm1.6 – 2.4%SABIC methodMold Shrinkage, xflow, 2.3.4.6 mm1.6 – 2.4%%SABIC methodMold Shrinkage, xflow, 2.3.4.6 mm1.6 – 2.4%%%SABIC methodMold Shrinkage, xflow, 2.3.4.6 mm1.6 – 2.4%%%%Bieletric Strength, in air, 3.2 mm%%%%%%Dieletric Strength, in oil, 1.6 mm3.1%%%%%%Relative Permittivity, 100 Hz0.002%%%%%%%%Disipation Factor, 100 Hz0.02%%%%%%%%%%%%%%%%%%%%%%%%%% <td>Specific Gravity</td> <td>1.31</td> <td>-</td> <td>ASTM D 792</td>	Specific Gravity	1.31	-	ASTM D 792
Mold Shrinkage, flow, 0.75-2.3 mm0.9 – 1.6%SABIC methodMold Shrinkage, flow, 2.3-4.6 mm1.5 – 2.3%SABIC methodMold Shrinkage, xflow, 0.75-2.3 mm1 – 1.7%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodDid Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodELCTRICALVVXSTM D 257Dielectric Strength, in air, 3.2 mm15.7M/mmASTM D 149Dielectric Strength, in oil, 1.6 mm3.3XX D 149Relative Permittivity, 100 Hz3.11.4M D 150Disipation Factor, 100 Hz0.0021.4ASTM D 150Disipation Factor, 100 Hz0.023.4M D 150Disipation Factor, 100 Hz1.21.2YDrying Temperature1.23.4MDrying Time3.4MM	Specific Volume	0.76	cm³/g	ASTM D 792
Mold Shrinkage, flow, 2.3 4.6 mm1.5 - 2.3%SABIC methodMold Shrinkage, xflow, 0.75 - 2.3 mm1 - 1.7%SABIC methodMold Shrinkage, xflow, 2.3 4.6 mm1.6 - 2.4%SABIC methodMold Shrinkage, xflow, 2.3 4.6 mm1.6 - 2.4%SABIC methodELECTRICALVolume Resistivity>4.E+16Ohm-cmASTM D 257Dielectric Strength, in air, 3.2 mm15.7KV/mmASTM D 149Dielectric Strength, in oil, 1.6 mm23.2KV/mmASTM D 149Relative Permittivity, 100 Hz3.1-ASTM D 150Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 100 Hz0.02-ASTM D 150INECTION MOLDINCVVDrying Temperature120°C-Drying Time3-4-his-	Water Absorption, 24 hours	0.08	%	ASTM D 570
Mold Shrinkage, xflow, 0.75-2.3 mm1 – 1.7%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodMold Shrinkage, xflow, 2.3-4.6 mm1.6 – 2.4%SABIC methodELECTRICALVVXSTM D 257Volume Resistivity>4.E+16Ohm-cmASTM D 257Dielectric Strength, in air, 3.2 mm15.7K//mmASTM D 149Dielectric Strength, in oil, 1.6 mm3.3ASTM D 149ModRelative Permittivity, 100 Hz3.1-ASTM D 150Disipation Factor, 100 Hz0.002-ASTM D 150Disipation Factor, 100 Hz0.02-ASTM D 150Disipation Factor, 100 Hz120Drying Temperature120°C-Drying Temperature3.4Ms-Drying Time3.4Ms-	Mold Shrinkage, flow, 0.75-2.3 mm	0.9 – 1.6	%	SABIC method
Mold Shrinkage, xflow, 2.3.4.6 mm1.6 - 2.4%SABIC methodELECTRICALVolume Resistivity>4.E + 1.6Ohm-cmA STM D 257Dielectric Strength, in air, 3.2 mm15.7K/mmA STM D 149Dielectric Strength, in oil, 1.6 mm3.3K/mmASTM D 149Relative Permittivity, 100 Hz3.1-A STM D 150Disipation Factor, 100 Hz0.002-A STM D 150Disipation Factor, 1MHz0.02-A STM D 150Drying Temperature120°C-Drying Time3.4-SectorDirying Time3.4-Sector	Mold Shrinkage, flow, 2.3-4.6 mm	1.5 – 2.3	%	SABIC method
ELECTRICALVolume Resistivity>4.E+16Ohn-cmASTM D 257Dielectric Strength, in air, 3.2 mm15.7K/mmASTM D 149Dielectric Strength, in oil, 1.6 mm23.2K/mmASTM D 149Relative Permittivity, 100 Hz3.3.ASTM D 150Relative Permittivity, 100 Hz0.02.ASTM D 150Dissipation Factor, 100 Hz0.02.ASTM D 150INECTION MOLDINGI20°C.Drying Temperature3.4MaxMaxArtic Strength3.2MaxMaxDrying Time3.4MaxMax	Mold Shrinkage, xflow, 0.75-2.3 mm	1 – 1.7	%	SABIC method
Volume Resistivity>4.E+16Ohm-cmASTM D 257Dielectric Strength, in air, 3.2 mm15.7K/mmASTM D 149Dielectric Strength, in oil, 1.6 mm23.2K/mmASTM D 149Relative Permittivity, 100 Hz3.3-ASTM D 150Relative Permittivity, 1 MHz0.002-ASTM D 150Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 1 MHz0.02-ASTM D 150Dispiton Factor, 1 MHz120°C-Drying Temperature3.4Marcenter-Drying Time3.4Marcenter-	Mold Shrinkage, xflow, 2.3-4.6 mm	1.6 – 2.4	%	SABIC method
Dielectric Strength, in air, 3.2 mm15.7kV/mmASTM D 149Dielectric Strength, in oil, 1.6 mm23.2kV/mmASTM D 150Relative Permittivity, 100 Hz3.3-ASTM D 150Relative Permittivity, 1 MHz0.10-ASTM D 150Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 1 MHz0.202-ASTM D 150Dying TemperatureDrying Time3.4	ELECTRICAL			
Dielectric Strength, in oil, 1.6 mm23.2kV/mmASTM D 149Relative Permittivity, 100 Hz3.3-ASTM D 150Relative Permittivity, 1MHz3.1-ASTM D 150Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 100 Hz0.02-ASTM D 150Dissipation Factor, 100 Hz0.02Dissipation Factor, 100 Hz0.02Dissipation Factor, 100 HzDissipation Factor, 100 Hz0.02Dissipation Factor, 100 HzDissipation Factor, 100 Hz	Volume Resistivity	>4.E+16	Ohm-cm	ASTM D 257
Relative Permittivity, 100 Hz3.3-ASTM D 150Relative Permittivity, 1 MHz3.1-ASTM D 150Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 1 MHz0.02-ASTM D 150INECTION MOLDINGDrying Temperature120°CDrying Time3-4hrs	Dielectric Strength, in air, 3.2 mm	15.7	kV/mm	ASTM D 149
Relative Permittivity, 1 MHz3.1ASTM D 150Dissipation Factor, 100 Hz0.002ASTM D 150Dissipation Factor, 1 MHz0.02ASTM D 150INJECTION MOLDINGUUDrying Temperature120°CDrying Time3-4hrs	Dielectric Strength, in oil, 1.6 mm	23.2	kV/mm	ASTM D 149
Dissipation Factor, 100 Hz0.002-ASTM D 150Dissipation Factor, 1 MHz0.02-ASTM D 150INJECTION MOLDINGDrying Temperature120°C-Drying Time3 - 4hrs-	Relative Permittivity, 100 Hz	3.3	-	ASTM D 150
Dissipation Factor, 1 MHz     0.02     -     ASTM D 150       INJECTION MOLDING     -     Topping Temperature     -      -	Relative Permittivity, 1 MHz	3.1	-	ASTM D 150
INJECTION MOLDING   Drying Temperature 120 °C   Drying Time 3-4 hrs	Dissipation Factor, 100 Hz	0.002	-	ASTM D 150
Drying Temperature     120     °C       Drying Time     3 - 4     hrs	Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Drying Time 3 – 4 hrs	INJECTION MOLDING			
	Drying Temperature	120	°C	
Drving Time (Cumulative) 12 br	Drying Time	3 - 4	hrs	
	Drying Time (Cumulative)	12	hrs	

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CHEMISTRY THAT MATTERS



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Maximum Moisture Content	0.02	%	
Melt Temperature	245 – 260	°C	
Nozzle Temperature	240 – 255	°C	
Front - Zone 3 Temperature	245 – 260	°C	
Middle - Zone 2 Temperature	240 – 255	°C	
Rear - Zone 1 Temperature	230 – 250	°C	
Mold Temperature	50 – 75	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	50 – 100	rpm	
Shot to Cylinder Size	40 - 80	%	
Vent Depth	0.013 - 0.025	mm	

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