

BASF Ultradur® B 4040 G2 10% Glass Filled PBT + PET

Polymer, Thermoplastic, Polyester, TP, Polybutylene Terephthalate (PBT), PBT + PET Blend, Glass Filled, Polyethylene Terephthalate (PET)

BASF

产品说明

Description: Is a PBT + PET, injection-molding grade containing 10% of glass fibers, for industrial parts, rigid, tough and dimensionally stable, for example for program switches, thermostat parts, small-motor housings for vehicles, headlamp frames, cams, automotive windscreen wiper arms, PCBs, housings, consoles, contact mounts and covers. Information provided by BASF

物理性能	额定值 (公制)	额定值 (英制)	测试方法
密度	1.39 g/cc	0.0502 lb/in ³	ISO 1183
吸水率	0.40 %	0.40 %	Saturation; DIN 53495/1L
平衡吸湿	0.20 %	0.20 %	23°C; 50% RH
粘度测量	107	107	[ml/g]; Viscosity number; ISO 1628
线性成型收缩率, Flow	0.0040 cm/cm	0.0040 in/in	Sheet
线性成型收缩率, 横向	0.012 cm/cm	0.012 in/in	Sheet
熔体流动速率	33.36 g/10 min @ Load 2.16 kg, Temperature 275 °C	33.36 g/10 min @ Load 4.76 lb, Temperature 527 °F	ISO 1133
机械性能	额定值 (公制)	额定值 (英制)	测试方法
抗张强度(屈服)	96.0 MPa	13900 psi	50 mm/min; ISO 527-2
屈服伸长率	2.9 %	2.9 %	50 mm/min; ISO 527-2
弹性模量	5.00 GPa	725 ksi	ISO 527-2
简支梁无缺口冲击强度	2.60 J/cm ²	12.4 ft-lb/in ²	ISO 179/1eU
简支梁缺口冲击强度	0.380 J/cm ²	1.81 ft-lb/in ²	ISO 179/1eA
热性能	额定值 (公制)	额定值 (英制)	测试方法
熔融温度	220 - 250 °C	428 - 482 °F	DSC; ISO 11357-3
载荷下热变形温度(0.46 MPa)	216 °C	421 °F	ISO 75-2
载荷下热变形温度(1.8 MPa)	168 °C	334 °F	ISO 75-2
加工性能	额定值 (公制)	额定值 (英制)	测试方法
加工(熔体)温度	250 - 275 °C	482 - 527 °F	Injection-molding
	270 °C	518 °F	for shrinkage test
模具温度	60.0 - 100 °C	140 - 212 °F	
	80.0 °C	176 °F	for shrinkage test
材料描述			测试方法
颜色	Colored and Black		
商业地位	Europe		
Primary Processing Technique	Injection Molding		