

Ultradur® S 4090 G4 LS High Speed BK15077

PBT (Polybutylene Terephthalate)

Product Description

Ultradur S 4090 G4 LS High Speed BK15077 is a high flow, fast cycling with low warpage, 20% glass filled injection molding PBT + ASA blend.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm	1183	1.39
Viscosity Number, cm/g	1628	104
Mold Shrinkage, parallel, %	294-4	0.39
Mold Shrinkage, normal, %	294-4	0.76
Moisture, %	62	
(50% RH)		0.2
(Saturation)		0.4
RHEOLOGICAL	ISO Test Method	Property Value
Melt Volume Rate (275 C/2.16 Kg), cc/10min.	1133	39
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23C		7,000
Tensile stress at break, MPa	527	
23C		100
Tensile strain at break, %	527	
23C		2.2
IMPACT	ISO Test Method	Property Value
Charpy Notched, kJ/m ²	179	
23C		6
Charpy Unnotched, kJ/m ²	179	
23C		45
-30C		33
THERMAL	ISO Test Method	Property Value
Melting Point, C	3146	223
HDT A, C	75	160
HDT B, C	75	205
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.4 X10-4
ELECTRICAL	ISO Test Method	Property Value
Comparative Tracking Index	IEC 60112	450
Volume Resistivity	IEC 60093	>1E13
Surface Resistivity	IEC 60093	1E14
Dielectric Constant (100 Hz)	IEC 60250	3.7
Dielectric Constant (1 MHz)	IEC 60250	3.6
Dissipation Factor (100 Hz)	IEC 60250	30
Dissipation Factor (1 MHz)	IEC 60250	190

