

PIBITER HI C3311 - PBT

Description

Unreinforced, impact modified PBT/PC alloy with medium flowability, high impact resistance
PIBITER HI C3311 is an unreinforced, impact modified PBT/PC polymer alloy with medium fluidity

Physical properties	Value	Unit	Test Standard
Density	75.5	lb/ft ³	ISO 1183
Melt flow rate, MFR	6	g/10min	ISO 1133
MFR temperature	482	°F	ISO 1133
MFR load	4.76	lb	ISO 1133
Molding shrinkage, parallel (flow)	0.6 - 1.0	%	ISO 294-4, 2577
Molding shrinkage, transverse normal	0.6 - 1.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	319084	psi	ISO 527-1, -2
Tensile stress at yield, 50mm/min	7250	psi	ISO 527-1, -2
Tensile stress at break, 50mm/min	6670	psi	ISO 527-1, -2
Flexural modulus, 23°C	305000	psi	ISO 178
Charpy notched impact strength, 23°C	26.2	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	230	°F	ISO 306
Flammability at thickness h	HB	class	UL 94
thickness tested (h)	0.0295	in	UL 94
UL recognition (h)	UL	-	UL 94

Characteristics

Special Characteristics	High viscosity
Product Categories	Impact modified, Polymer blend
Delivery Form	Pellets