



Celanex® JKX-1125

Celanese Corporation - Polybutylene Terephthalate

Monday, November 4, 2019

General Information

Product Description

20% glass reinforced polybutylene terephthalate (PBT) with improved warp resistance and processability.

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Good Processability	• Warp Resistant	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	18	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.4	%	
Flow	0.50 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.09E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	14500	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.9	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	4.3	ft-lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	419	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	356	°F	ISO 75-2/A

Notes

¹ Typical properties: these are not to be construed as specifications.