



Celanex® 4002

Celanese Corporation - Polybutylene Terephthalate

Monday, November 4, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier		
Features	• Impact Modified		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	210000	psi	ISO 527-2/1A
Tensile Stress (Yield)	4640	psi	ISO 527-2/1A/50
Tensile Stress (Break)	4060	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Tensile Strain (Break)	90	%	ISO 527-2/1A/50
Flexural Modulus (73°F)	210000	psi	ISO 178
Flexural Stress (73°F)	7250	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	36	ft-lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	120	°F	ISO 75-2/A
Melting Temperature ²	437	°F	ISO 11357-3

Notes

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

² 10°C/min