



Celanex® 3105H

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
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	793000	psi	ISO 527-2/1A
Tensile Stress (Break)	13600	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.8	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	748000	psi	ISO 178
Flexural Stress (73°F)	20000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.0	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	345	°F	ISO 75-2/A
Melting Temperature ²	435	°F	ISO 11357-3

Notes

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

² 10°C/min