



Celanex® 2302GV1/45

Celanese Corporation - Polybutylene Terephthalate

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General Information

Product Description

Celanex 2302GV1/45 is a 45% glass fiber reinforced polymer modified PBT with excellent stiffness, with good surface appearance

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 45% Filler by Weight		
Features	• Good Stiffness	• Pleasing Surface Appearance	
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (265°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.18E+6	psi	ISO 527-2/1A
Tensile Stress (Break)	24700	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.7	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	401	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	248 to 284	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	509 to 527	°F
Mold Temperature	194 to 248	°F
Injection Rate	Fast	
Back Pressure	< 435	psi

Notes

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