

Celanex® 5214

Polybutylene Terephthalate

Celanese Corporation

Message:

Celanex 5214 is a 15% glass reinforced, high gloss, flame retardant polyester.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Highlight		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	92		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	7100	MPa	ISO 178
Flexural Stress (23°C)	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	4.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	210	°C	ISO 75-2/B
1.8 MPa, not annealed	150	°C	ISO 75-2/A
Melting Temperature ¹	178	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (0.8 mm)	V-0		UL 94
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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