

Perlex R3520 GREY 6-2799

LyondellBasell Industries - Polycarbonate

General Information

Product Description

Perlex R3520 GREY 6-2799 is a Polycarbonate Glass Fiber, 20% filled material.

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Uses	• Machine/Mechanical Parts

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	885000	psi	ISO 527-1
Tensile Stress (Yield)	12300	psi	ISO 527-2
Flexural Modulus	856000	psi	ISO 178
Flexural Stress	23100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (73°F)	4.76	ft-lb/in ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	291	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	280	°F	ISO 75-2/A
Vicat Softening Temperature	293	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	< 3.9	in/min	ISO 3795
0.0787 in	< 3.9	in/min	FMVSS 302
Flame Rating			UL 94
0.06 in	V-0		
0.13 in	V-0		
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 in	1560	°F	
0.08 in	1560	°F	
0.12 in	1560	°F	