

Technical Data Sheet

Perlex R3520 GREY 6-2799



Polycarbonate

Product Description

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

Regulatory Status

For regulatory compliance information, see Perlex R3520 GREY 6-2799 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Additive	Flame Retardant
Application	Machine/Mechanical Parts
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	10	g/10 min	ISO 1133
Density	1.29	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	85	MPa	ISO 527-2
Flexural Modulus	5900	MPa	ISO 178
Tensile Modulus	6100	MPa	ISO 527-1
Flexural Stress	159	MPa	ISO 178
Impact			
Notched Izod Impact (Area), (23 °C)	10.0	kJ/m ²	ASTM D256
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	145	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	144	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	138	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
Glow Wire Ignition Temperature			
(3.0 mm)	850	°C	IEC 60695-2-13
(2.0 mm)	850	°C	IEC 60695-2-13
(1.0 mm)	850	°C	IEC 60695-2-13
UL Information			
Flame Rating			
(1.6 mm)	V-0		UL 94
(3.2 mm)	V-0		UL 94

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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