

Technical Data Sheet

Perlex R2525 WHI 1-1864



Polycarbonate

Product Description

25% Glass fibre reinforced medium viscosity PC

Regulatory Status

For regulatory compliance information, see *Perlex R2525 WHI 1-1864* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Filler/Reinforcement	Glass Fiber, 25%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	8.0	g/10 min	ISO 1133
Density	1.37	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	2.5	%	ISO 527-2
Flexural Modulus	5600	MPa	ISO 178
Tensile Stress at Break	90	MPa	ISO 527-2
Tensile Modulus	6000	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C)	9.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	30	kJ/m ²	ISO 179
Notched Izod Impact Strength, (23 °C)	10	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature			
(A (10N), 50 °C/h)	155	°C	ISO 306
(B (50N), 120 °C/h)	144	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa)	140	°C	ISO 75-2/A
Electrical			
Comparative Tracking Index (CTI), (Solution A)	175	V	IEC 60112
Flammable			
Burning Rate, (FMVSS)	<100	mm/min	FMVSS
UL Information			
Flame Rating			
(1.6 mm)	HB		UL 94
(3.2 mm)	HB		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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