

# Perlex R2525 WHI 1-1864

## LyondellBasell Industries - Polycarbonate

### General Information

#### Product Description

25% Glass fibre reinforced medium viscosity PC

#### General

Filler / Reinforcement • Glass Fiber, 25% Filler by Weight

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	870000	psi	ISO 527-1
Tensile Stress (Break)	13100	psi	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	812000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft-lb/in <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (73°F)	14	ft-lb/in <sup>2</sup>	ISO 179
Notched Izod Impact Strength (73°F)	4.8	ft-lb/in <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	284	°F	ISO 75-2/A
Vicat Softening Temperature			
--	291	°F	ISO 306/B120
--	311	°F	ISO 306/A50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 3.9	in/min	FMVSS
Flame Rating			UL 94
0.06 in	HB		
0.13 in	HB		