

# Perlex R3533 RED7-0952

## LyondellBasell Industries - Polycarbonate

### General Information

#### Product Description

30% glass fibre filled FR PC with added UV stabilisation matched to RAL 3020

#### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Uses	• Machine/Mechanical Parts

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

Physical	Nominal Value	Unit	Test Method
Density	1.35	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	1.27E+6	psi	ISO 527-1
Tensile Stress (Break)	13800	psi	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	20700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (73°F)	4.76	ft·lb/in <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	275	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	< 3.9	in/min	FMVSS 302
0.0787 in	< 3.9	in/min	ISO 3795
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	