

Technical Data Sheet

# Perlex R3540

Polycarbonate  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Uses	• Machine/Mechanical Parts

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.52 g/cm <sup>3</sup>	1.52 g/cm <sup>3</sup>	ISO 1183

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	14500 psi	100 MPa	ISO 527-2
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2
Flexural Modulus	1.45E+6 psi	10000 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Area) (73°F (23°C))	5.71 ft·lb/in <sup>2</sup>	12.0 kJ/m <sup>2</sup>	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	275 °F	135 °C	ISO 75-2/A
Vicat Softening Temperature	306 °F	152 °C	ISO 306/A50

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Comparative Tracking Index (CTI)	125 V	125 V	UL 746A

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating			UL 94
0.06 In (1.6 Mm)	V-0	V-0	
0.13 In (3.2 Mm)	V-0	V-0	

## Notes

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