

Technical Data Sheet

Perlex R2525 WHI 1-1864



Polycarbonate

Product Description

25% Glass fibre reinforced medium viscosity PC

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