

Technical Data Sheet

Perlex FR Perlex R3533 GRY6-2903



Polycarbonate

Product Description

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

Additive	Flame Retardant
Application	Machine/Mechanical Parts
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	8.0	g/10 min	ISO 1133
Density	1.35	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	2	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Tensile Stress at Break	95	MPa	ISO 527-2
Tensile Modulus	8750	MPa	ISO 527-1
Flexural Stress	143	MPa	ISO 178
Impact			
Notched Izod Impact (Area), (23 °C)	10.0	kJ/m ²	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (1.80 MPa)	135	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
Glow Wire Ignition Temperature			
(3.0 mm)	850	°C	IEC 60695-2-13
(2.0 mm)	850	°C	IEC 60695-2-13
(1.0 mm)	850	°C	IEC 60695-2-13
UL Information			
Flame Rating			
(1.6 mm)	V-0		UL 94
(3.2 mm)	V-0		UL 94