

Technical Data Sheet

**Perlex R223 RED 7-0965**



Polycarbonate

**Product Description**

Perlex R223 RED 7-0965 is a Polycarbonate material. Features include: UV Stabilized.

**Attribute** UV Stabilized

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (300 °C/1.2 kg)	16	g/10 min	ISO 1133
Density	1.2	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield	60	MPa	ISO 527-2
Tensile Strain at Yield	5	%	ISO 527-2
Tensile Modulus	2350	MPa	ISO 527-1
Flexural Stress	90	MPa	ISO 178
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	45	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
<b>Hardness</b>			
Ball Pressure Test, (125 °C)	Pass		IEC 60695-10-2
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	142	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	135	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	125	°C	ISO 75-2/A
<b>Flammable</b>			
Burning Rate, (2.00 mm)	<75	mm/min	ISO 3795
Glow Wire Flammability Index	850	°C	IEC 60695-2-12
<b>UL Information</b>			
Flame Rating			
(3.2 mm)	HB		UL 94
(1.5 mm)	HB		UL 94