

PERLEX® R203

Polycarbonate
A. Schulman Europe

Message:

PERLEX® R203 is a Polycarbonate (PC) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Important attributes of PERLEX® R203 are:
Flame Rated
Good UV Resistance
UV Stabilized
Typical applications include:
Automotive
Lighting Applications

General Information	
UL YellowCard	E132739-222168
Additive	UV Stabilizer
Features	Good Flow
	Good UV Resistance
Uses	Automotive Applications
	Lighting Fixtures

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	26	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2350	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	100	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	40.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Vicat Softening Temperature	141	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Ignition Temperature			IEC 60695-2-13

1.00 mm	850	°C
2.00 mm	850	°C
3.00 mm	850	°C

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Recommended distributors for this material

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