

SITRALON 18E-UV / C3020 rot

Polycarbonate
SITRAPLAS GmbH

Message:

Material: Polycarbonate, amorphous thermoplastic, UV-stabilized, Injection molding
Application areas: Automotive interior applications,

General Information			
Additive	UV Stabilizer		
Features	Amorphous		
	Good UV Resistance		
Uses	Automotive Interior Parts		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PC<		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	21	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	18.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2380	MPa	ISO 527-2/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Nominal Tensile Strain at Break	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	139	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		UL 94

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