

Nirion 3550/M

Polycarbonate

Soredi S.p.a.

Message:

Polycarbonate for injection moulding, suitable for general purpose, very high MFI and good impact resistance.

General Information			
Features	Impact resistance, good		
	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	43	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Water Absorption			ISO 62
Saturated, 23°C	0.30	%	ISO 62
Equilibrium, 23°C, 50% RH	0.12	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	2400	MPa	ASTM D790
Flexural Strength ² (Break)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.20 mm	50	J/m	ASTM D256
23°C, 3.20 mm	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	122	°C	ASTM D648
Vicat Softening Temperature	143	°C	ASTM D1525 ³
CLTE - Flow (23 to 55°C)	7.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Dielectric Strength (1.00 mm)	25	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.00		IEC 60250
Dissipation Factor (1 MHz)	9.0E-3		IEC 60250
Flammability	Nominal Value	Unit	Test Method

Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
Additional Information			
Melt Mass- Flow Rate (MFR), ASTM D1238, 300°C/1.2kg: 35 to 50 g/10min			
NOTE			
1.	1.3 mm/min		
2.	1.3 mm/min		
3.	标准 B (120°C/h), 载荷2 (50N)		

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