

Retelan® G4 NATURALE

Acrylonitrile Butadiene Styrene

SO.F.TER. SPA

Message:

Retelan® G4 NATURALE is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Europe, Latin America, or North America for injection molding.

Important attributes of Retelan® G4 NATURALE are:

Flame Rated

REACH Compliant

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage	0.25	%	Internal Method
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Ash Content	17	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	5400	MPa	ASTM D790
Flexural Strength	104	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
Vicat Softening Temperature			
--	110	°C	ASTM D1525 ¹
--	105	°C	ASTM D1525 ²
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity (23°C)	1.0E+13	ohms · cm	ASTM D257
Dielectric Strength (1.60 mm)	29	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	3.80		ASTM D150
Dissipation Factor (1 kHz)	4.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94

NOTE

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|----|-----------------------------------|
| 1. | Rate A (50°C/h), Loading 1 (10 N) |
| 2. | Rate A (50°C/h), Loading 2 (50 N) |

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Recommended distributors for this material

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