

Abistir® MR GF/17 V0 NATURALE

Acrylonitrile Butadiene Styrene

SO.F.TER. SPA

Message:

Flame retardant, glass fiber 17% reinforced ABS grade, excellent stiffness and dimensional stability

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Stiffness		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage	0.20	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525 ¹
Ball Pressure Test (75°C)	Pass		IEC 335
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	300	V	IEC 60112
Needle Flame Test	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	37	%	ASTM D2863

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Rear Temperature	190	°C
Middle Temperature	210	°C
Front Temperature	220	°C
Mold Temperature	50.0 to 70.0	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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