

Abistir® MR GF/17 NATURALE

Acrylonitrile Butadiene Styrene

SO.F.TER. SPA

Message:

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

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
Features	Good Dimensional Stability		
	Good Stiffness		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage	0.25	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	4300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	30	J/m	
0°C	50	J/m	
23°C	70	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.0	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525 ¹
Ball Pressure Test (90°C)	Pass		IEC 335
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		

Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	210	°C	
Middle Temperature	230	°C	
Front Temperature	250	°C	
Mold Temperature	50.0 to 80.0	°C	
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		

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