

Nilac TBA/V

Acrylonitrile Butadiene Styrene

Soredi S.p.a.

Message:

ABS for the extrusion process with short or ground glass fibre.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12	g/10 min	ASTM D1238
Water Absorption (Equilibrium, 23°C, 50% RH)	0.25	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	45.0	MPa	ASTM D638
Tensile Elongation ² (Break)	5.0	%	ASTM D638
Flexural Modulus ³	2300	MPa	ASTM D790
Flexural Strength ⁴ (Break)	55.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.20 mm	80	J/m	
23°C, 3.20 mm	250	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525 ⁵
CLTE - Flow (23 to 55°C)	6.0E-5	cm/cm/°C	ISO 11359-2
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		
5.	Rate B (120°C/h), Loading 2 (50 N)		

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