

Niplene F25 AGR

Polypropylene Homopolymer

Soredi S.p.a.

Message:

Polypropylene homopolymer, reinforced with 25% glass fibre chemically coupled to the polymeric matrix

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Chemically Coupled		
	Homopolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.20 to 0.60	%	
Across Flow	0.40 to 0.80	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	113		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	85.0	MPa	ASTM D638
Tensile Elongation ² (Break)	3.5	%	ASTM D638
Flexural Modulus ³	5200	MPa	ASTM D790
Flexural Strength ⁴ (Break)	125	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	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°C	ASTM D648
Vicat Softening Temperature	140	°C	ASTM D1525 ⁵
CLTE - Flow (23 to 55°C)	3.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength (1.00 mm)	60	kV/mm	IEC 60243-1

Relative Permittivity (1 MHz)	2.70		IEC 60250
Dissipation Factor (1 MHz)	0.0		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		
5.	Rate B (120°C/h), Loading 2 (50 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

