

Niloy F30

Polycarbonate + PBT

Soredi S.p.a.

Message:

PC-PBT alloy reinforced with 30% glass fibre, high stiffness and hardness. Good resistance against chemical agents, high dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	High Hardness		
	High Stiffness		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50% RH)	0.050	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	90.0	MPa	ASTM D638
Tensile Elongation ² (Break)	2.5	%	ASTM D638
Flexural Modulus ³	6500	MPa	ASTM D790
Flexural Strength ⁴ (Break)	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.20 mm	120	J/m	
23°C, 3.20 mm	200	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	138	°C	ASTM D648
Vicat Softening Temperature	145	°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
Relative Permittivity (1 MHz)	3.20		IEC 60250
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
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



WECHAT