

Niblend S45

Polycarbonate + ABS

Soredi S.p.a.

Message:

PC-ABS easy processing alloy, suitable for the injection moulding of pieces with low thickness

General Information			
Features	Good Processability		
Uses	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	40.0	MPa	ASTM D638
Tensile Elongation ² (Break)	30	%	ASTM D638
Flexural Modulus ³	2300	MPa	ASTM D790
Flexural Strength ⁴ (Break)	65.0	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	400	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	106	°C	ASTM D648
Vicat Softening Temperature	115	°C	ASTM D1525 ⁵
CLTE - Flow (23 to 55°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength (1.00 mm)	25	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	2.90		IEC 60250
Dissipation Factor (1 MHz)	0.050		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.60 mm	HB		
3.20 mm	HB		
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
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)		

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