

Generic ABS+PBT

Acrylonitrile Butadiene Styrene + PBT

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic ABS+PBT
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.07 - 1.37	g/cm³	ASTM D792
23°C	1.08 - 1.32	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	7.0 - 20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.64 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	104 - 117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, 23°C	36.5 - 51.7	MPa	ASTM D638
Yield, 23°C	37.6 - 45.2	MPa	ISO 527-2
23°C	31.1 - 47.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0 - 100	%	ASTM D638
Flexural Modulus			
23°C	1630 - 2550	MPa	ASTM D790
23°C	1300 - 2500	MPa	ISO 178
Flexural Strength			
23°C	51.1 - 75.7	MPa	ASTM D790
23°C	59.8 - 70.3	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0 - 83	kJ/m²	ISO 179
Notched Izod Impact (23°C)	30 - 660	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	92.4 - 150	°C	ASTM D648
0.45 MPa, not annealed	77.0 - 150	°C	ISO 75-2/B
1.8 MPa, not annealed	84.9 - 90.2	°C	ASTM D648
1.8 MPa, not annealed	64.4 - 80.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	8.4E+15 - 1.1E+16	ohms · cm	ASTM D257
Dielectric Strength (23°C)	27 - 31	kV/mm	ASTM D149

Injection	Nominal Value	Unit
Drying Temperature	84.0 - 112	°C
Drying Time	3.5 - 5.1	hr
Rear Temperature	200 - 255	°C
Middle Temperature	230 - 251	°C
Front Temperature	245 - 251	°C
Nozzle Temperature	239 - 241	°C
Processing (Melt) Temp	230 - 255	°C
Mold Temperature	59.4 - 70.6	°C
Back Pressure	0.150 - 12.5	MPa
Screw Speed	55 - 90	rpm

Injection instructions

This data represents typical values that have been calculated from all products classified as: Generic ABS+PBT. This information is provided for comparative purposes only.

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

