

EnCom PC-PBT 1013

Polycarbonate + PBT

EnCom, Inc.

Message:

Molding Grade PC/PBT Alloy

General Information	
Uses	Automotive Applications
	Business Equipment
	Thin-walled Parts
Appearance	Black
	Colors Available
	Natural Color
Forms	Pellets
Processing Method	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	51.7	MPa	ASTM D638
Flexural Modulus	2030	MPa	ASTM D790
Flexural Strength (Yield)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	670	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	110 to 121	°C	
Drying Time	2.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	243 to 271	°C	
Middle Temperature	249 to 277	°C	
Front Temperature	257 to 282	°C	
Nozzle Temperature	254 to 274	°C	

Processing (Melt) Temp	260 to 279	°C
Mold Temperature	65.6 to 93.3	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 75	rpm

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

