

Loyblend® YA-1004

Acrylonitrile Butadiene Styrene + PBT
Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® YA-1004 is 40% glass fiber filled PBT/ABS polymer alloy compound. This grade offers high rigidity, high impact resistance, low wear and low warping.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Good Wear Resistance		
	High Heat Resistance		
	High Impact Resistance		
	High Rigidity		
	Low Warpage		
Uses	Appliances		
	Electrical/Electronic Applications		
	Engineering Parts		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	23900	MPa	ASTM D638
Tensile Strength	116	MPa	ASTM D638
Tensile Elongation (Break)	2.3	%	ASTM D638
Flexural Modulus	11300	MPa	ASTM D790
Flexural Strength	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	210	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	

Drying Time	4.0 to 6.0	hr
Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	250 to 260	°C
Mold Temperature	50.0 to 90.0	°C

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

