

Loyblend® TA-1005

Polycarbonate + ABS

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® TA-1005 is a high flow PC/ABS polymer alloy. This grade offers high impact resistance, high heat resistance, good dimensional stability and good processability.

General Information			
Features	Good Dimensional Stability		
	Good Processability		
	High Flow		
	High Heat Resistance		
	High Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
260°C/2.16 kg	15	g/10 min	
260°C/5.0 kg	35	g/10 min	
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3040	MPa	ASTM D638
Tensile Strength	58.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2510	MPa	ASTM D790
Flexural Strength	96.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	730	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed, 4.00 mm	127	°C
1.8 MPa, Unannealed, 4.00 mm	109	°C
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	210 to 250	°C
Middle Temperature	220 to 260	°C
Front Temperature	225 to 270	°C
Nozzle Temperature	230 to 270	°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

