

Loyblend® TA-1100

Polycarbonate + ABS

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® TA-1100 is a general purpose PC/ABS polymer alloy. This grade offers good impact resistance, good processability, high rigidity, high heat resistance, good dimensional stability and good color stability.

General Information			
Features	Good Weather Resistance		
	High Flow		
	High Gloss		
	High Hardness		
	High Scratch Resistance		
Uses	Appliances		
	General Purpose		
	LCD Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
260°C/2.16 kg	10	g/10 min	
260°C/5.0 kg	20	g/10 min	
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2520	MPa	ASTM D638
Tensile Strength	54.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2420	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	570	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	120	°C	

1.8 MPa, Unannealed, 4.00 mm	103	°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 245	°C
Middle Temperature	220 to 250	°C
Front Temperature	225 to 260	°C
Nozzle Temperature	230 to 260	°C
Mold Temperature	50.0 to 90.0	°C

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Recommended distributors for this material

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