

Loyblend® HA-1300

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® HA-1300 is high flow PMMA/ABS polymer alloy. This grade offers high hardness, good scratch resistance and excellent weathering resistance with a high gloss surface

General Information			
Features	Highlight		
	High scratch resistance		
	High liquidity		
	Good weather resistance		
	High hardness		
Uses	LCD application		
	Electrical appliances		
	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2640	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	95	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	76.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0 - 90.0	°C
Drying Time	4.0 - 6.0	hr
Rear Temperature	190 - 200	°C
Middle Temperature	195 - 205	°C
Front Temperature	200 - 210	°C
Nozzle Temperature	210 - 220	°C
Mold Temperature	50.0 - 80.0	°C

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Recommended distributors for this material

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