

Loyblend® HA-1700

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® HA-1700 is compounded blend of poly methyl methacrylate and acrylonitrile-butadiene-styrene. This grade offers high hardness, good scratch resistance and excellent weathering resistance with a good gloss surface

General Information			
Features	Good Weather Resistance		
	High Flow		
	High Gloss		
	High Hardness		
	High Scratch Resistance		
Uses	Appliances		
	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	86.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	190 to 200	°C
Middle Temperature	195 to 205	°C
Front Temperature	200 to 210	°C
Nozzle Temperature	210 to 220	°C
Mold Temperature	50.0 to 90.0	°C

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Recommended distributors for this material

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