

LG ABS HI140

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

LG ABS HI140 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of LG ABS HI140: Impact Resistant.

General Information			
Features	High Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	43.4	MPa	ASTM D638
Tensile Elongation ² (Break)	35	%	ASTM D638
Flexural Modulus ³	1970	MPa	ASTM D790
Flexural Strength ⁴	61.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	410	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	89.0	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525 ⁵
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		
5.	Loading 1 (10 N)		

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Recommended distributors for this material

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