

Lumid® HI5001AH

Polyamide + Polyolefin

LG Chem Ltd.

Message:

Lumid®HI5001AH is a Polyamide Polyolefin (Nylon Olefin) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is blow molding or injection molding.

Lumid®The main features of the HI5001AH are:

Impact resistance

chemical resistance

Lumid®The typical application fields of HI5001AH are: automobile industry

General Information			
Features	Impact resistance, high Good melt strength Good chemical resistance Barrier resin		
Uses	Application in Automobile Field		
Processing Method	Blow molding Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/12.5 kg)	3.0	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	53.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	320	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	1320	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	48.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 6.40 mm	250	J/m	ASTM D256
23°C, 6.40 mm	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	220	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	4.0 - 5.0	hr	
Rear Temperature	235 - 250	°C	
Middle Temperature	240 - 260	°C	

Front Temperature	240 - 260	°C
Nozzle Temperature	250 - 265	°C
Processing (Melt) Temp	250 - 265	°C
Mold Temperature	80.0 - 100	°C

Extrusion instructions

The processing above is from Blow Molding Process

NOTE

1.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min

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