

Lumid® HI5001AS

Polyamide + Polyolefin

LG Chem Ltd.

Message:

Lumid® HI5001AS is a Polyamide + Polyolefin (Nylon+Olefin) material. It is available in Asia Pacific, Europe, Latin America, or North America for extrusion or injection molding.

Important attributes of Lumid® HI5001AS are:

Chemical Resistant

Impact Resistant

Typical application of Lumid® HI5001AS: Automotive

General Information			
Features	Barrier Resin		
	Good Chemical Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	41.7	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	330	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	481	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	20.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 6.40 mm	140	J/m	
23°C, 6.40 mm	No Break		
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	235 to 250	°C	
Middle Temperature	240 to 260	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	250 to 265	°C	
Processing (Melt) Temp	250 to 265	°C	

Mold Temperature	80.0 to 100	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

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Recommended distributors for this material

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