



HYPERIER® IP1306B

LG Chem Ltd. - Polyamide

Monday, November 4, 2019

General Information

Product Description

Description

Barrier thermoplastic, Nylon blend with HDPE

Application

Agrochemical Container, SORE* Fuel Tank, PFC

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Barrier Resin		
Uses	• Agricultural Applications • Blending	• Containers • Fuel Tanks	
Agency Ratings	• FDA Unspecified Rating		
Processing Method	• Blow Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.962		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	0.35 to 0.40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 0.126 in)	3630	psi	ASTM D638
Tensile Elongation ² (Break, 0.126 in)	260	%	ASTM D638
Flexural Modulus ³ (0.252 in)	121000	psi	ASTM D790
Flexural Strength ³ (0.252 in)	4570	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.252 in	1.2	ft-lb/in	
73°F, 0.252 in	12	ft-lb/in	
Additional Information	Nominal Value	Unit	
Blow Molding Barrel Temperature	347 to 419	°F	
Blow Molding Die Temperature	347 to 419	°F	
Blow Molding Melt Temperature	392 to 446	°F	
Blow Molding Mold Temperature	86 to 122	°F	
Drying Temperature - Blow Molding ⁴	176 to 194	°F	

Processing Information

Injection	Nominal Value	Unit
Minimum Moisture Content - Blow Molding	< 0.010	%
Screw Speed - Blow Molding	10 to 50	rpm

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Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.39 in/min

⁴ 3 to 4 hours