

HYPERIER® IP1306B

Polyamide

LG Chem Ltd.

Message:

Description

Barrier thermoplastic, Nylon blend with HDPE

Application

Agrochemical Container, SORE* Fuel Tank, PFC

General Information			
Features	Barrier Resin		
Uses	Agricultural Applications		
	Blending		
	Containers		
	Fuel Tanks		
Agency Ratings	FDA Unspecified Rating		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35 to 0.40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	260	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	836	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	31.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 6.40 mm	67	J/m	
23°C, 6.40 mm	640	J/m	
Additional Information	Nominal Value	Unit	
Blow Molding Barrel Temperature	175 to 215	°C	
Blow Molding Die Temperature	175 to 215	°C	
Blow Molding Melt Temperature	200 to 230	°C	
Blow Molding Mold Temperature	30 to 50	°C	
Drying Temperature - Blow Molding ⁵	80 to 90	°C	
Minimum Moisture Content - Blow Molding	< 0.010	%	
Screw Speed - Blow Molding	10 to 50	rpm	
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	10 mm/min
4.	10 mm/min
5.	3 to 4 hours

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