

HYPERIER® IP1105

Thermoplastic

LG Chem Ltd.

Message:

HYPERIER® is the nanocomposite alloy made of a nanometer scale inorganic layered silicates (clay) and various polymers.

The nanocomposite alloy enables the formation of continuous and lamellar shape of barrier membrane.

It is usually blended with polyolefin (HDPE, LDPE or PP) for blow molding.

Benefits and Applications:

Various applications from agricultural packaging to fuel tanks and containers

Cost-effectiveness

Utilizes current mono-layer equipments and molds

Excellent Emission Barrier to most of fuel types and agrochemicals

Good mechanical property especially at the low temperature

Good insert coverage

SGS, FDA compliance

IP-1105:

Applicable bottle size: 5 to 20 L

Application: Agrochemical Container, SORE® Fuel Tank, PFC

General Information			
Features	Barrier Resin		
	Good Impact Resistance		
	Good Stiffness		
	Low Temperature Resistant		
Uses	Blending		
	Containers		
	Fuel Tanks		
	Membranes		
	Packaging		
Agency Ratings		FDA Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	Internal Method
Thermal	Nominal Value	Unit	
Melting Temperature	213	°C	

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