

SEETEC HDPE PB150

High Density Polyethylene

LG Chem Ltd.

Message:

Application

Fuel Tank, IBC, Jerry can, Agri-chemical container

Feature

This high molecular weight, hexene copolymer is tailored for high impact blow-molded containers that require:

Excellent processability

High impact strength at low temperature

Outstanding stress crack resistance(ESCR)

Good melt strength

Process : Phillips slurry process

This resin meet FDA21 CFR 177.1520

Additives : Anti-Oxidants

General Information			
Additive	Antioxidant		
Features	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	Ignition Resistant		
	Low Temperature Impact Resistance		
Uses	Industrial Containers		
	Tanks		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	125	°C	ASTM D1525
Peak Melting Temperature ¹	130	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 180	°C	
NOTE			

1. Condition: 10°C/min

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