

HIVOREX 8301B

High Density Polyethylene
Lotte Chemical Corporation

Message:

Excellent impact resistance at low temperature, Excellent ESCR,
High molecular weight HDPE

General Information			
Features	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	Low Temperature Impact Resistance		
Uses	Bottles		
	Fuel Tanks		
	Industrial Applications		
	Tanks		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg	5.0	g/10 min	
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	122	°C	ASTM D1525

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