

HIVOREX BL5400

High Density Polyethylene

Lotte Chemical Corporation

Message:

Good ESCR

Good Durability at low-temperature

Good Resistance at chemical

General Information	
Features	Durable
	Good Chemical Resistance
	High ESCR (Stress Crack Resist.)
	Low Temperature Resistant
Uses	Bottles
	Industrial Applications

Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	200	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525

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