

HIVOREX 5305E

High Density Polyethylene

Lotte Chemical Corporation

Message:

Excellent high-speed molding

Oxidation Stability

General Information			
Features	Fast Molding Cycle		
	Oxidation Resistant		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F10)	> 2000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (200°C)	> 50	min	ISO 10837
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+17	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant	2.30		ASTM D150
Dissipation Factor	1.0E-4		ASTM D150

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