

KMI PE KM-3416CDMD

High Density Polyethylene

KMI Group, Inc.

Message:

KM-3416CDMD is a high density polyethylene for blow molding

Applications:

Large Articles

General Information			
Features	High density		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	14	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	1100	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	34.1	MPa	ASTM D638
Tensile Elongation (Break)	890	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	357	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.0	°C	ASTM D648
Brittleness Temperature	-76.1	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525
Melting Temperature	131	°C	Internal method
Peak Crystallization Temperature (DSC)	125	°C	Internal method

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