

KMI PE KM-7008ADMD

High Density Polyethylene

KMI Group, Inc.

Message:

KM-7008ADMD is a high density polyethylene for injection molding

Applications:

Applications requiring high rigidity.

General Information			
Features	Rigidity, high		
	High density		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	2.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.4	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Flexural Modulus	1410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	168	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.9	°C	ASTM D648
Brittleness Temperature	-76.1	°C	ASTM D746
Vicat Softening Temperature	131	°C	ASTM D1525
Melting Temperature	133	°C	Internal method
Peak Crystallization Temperature (DSC)	120	°C	Internal method

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