

KMI PE KM-7417BDNP

Linear Low Density Polyethylene

KMI Group, Inc.

Message:

KM-7417BDNP is a linear low density polyethylene for injection molding

Applications:

Food Containers, lids, housewares

General Information			
Features	Low density		
Uses	Cover		
	Household goods		
	Food container		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	5.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.58	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	421	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	189	kJ/m²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	45.0	°C	ASTM D648
Brittleness Temperature	-76.1	°C	ASTM D746
Vicat Softening Temperature	90.0	°C	ASTM D1525
Melting Temperature	124	°C	Internal method
Peak Crystallization Temperature (DSC)	109	°C	Internal method

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