

# KMI PE KM 104075TL

High Density Polyethylene

KMI Group, Inc.

Message:

KM 104075TL

High Density Polyethylene

Characteristics:

Generally used for large containers, durable goods, and seating. It is resistant to environmental stress crack, and it has good stiffness.

General Information			
Features	Good ESCR (Stress Crack Resist.)		
	Rigid, good		
	High density		
Uses	Container		
	Seat		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	21	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	200	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.2	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus - 1% Secant	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	260	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
Brittleness Temperature <sup>1</sup>	< -76.0	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525
NOTE			
1.	F50		

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