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/cm³	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/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
Brittleness Temperature [1]	< -76.0	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525
NOTE			
1.	F50		

Recommended distributors for this material

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