KMI PP KM-ZW0274

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-ZM0274 is a nucleated impact copolymer with a melt flow of 25 g/10 min.
Characteristics:
KM-ZW0274 has high impact resistance, creep resistance, improved stiffness, excellent antistatic properties and allows for faster cycling through early demolding. KM-ZW0274 is used specifically for injection molding of thin-walled articles, housewares, and garden furniture.

General Information			
Additive	Nucleating agent		
Features	Nucleated Rigid, good Impact copolymer Antistatic property Impact resistance, high Fast molding cycle Good creep resistance		
Uses	Thin wall parts Outdoor furniture Furniture Household goods		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength			DIN 53453
-20°C	4.5	kJ/m²	DIN 53453
23°C	9.5	kJ/m²	DIN 53453
Notched Izod Impact			
-20°C	48	J/m	ASTM D256
23°C	110	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525
Melting Temperature	160 - 165	°C	

Recommended distributors for this material

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