KMI PA KM6-4700

Polyamide 6

KMI Group, Inc.

Message:

KM6-4700 is a low viscosity general purpose, extrusion PA6 grade well suited for compounding.

General Information	
Features	Low viscosity General
Uses	Composite General
Processing Method	Composite Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	130	cm³/10min	ISO 1133
Water Absorption			ISO 62
Saturated, 23°C	9.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.6	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.5	%	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	
Melting Temperature	220	°C	
CLTE - Flow	8.5E-5	cm/cm/°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Dielectric Constant			IEC 60250
100 Hz	4.00		IEC 60250
1 MHz	3.50		IEC 60250

Dissipation Factor			IEC 60250
100 Hz	0.010		IEC 60250
1 MHz	0.023		IEC 60250
Comparative Tracking Index	600	V	IEC 60112

Recommended distributors for this material

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