

KMI PP KM840-K6M5P

Polypropylene Random Copolymer

KMI Group, Inc.

Message:

KM840-K6M50 is a clarified polypropylene random copolymer.

Applications:

Consumer and healthcare products

General Information			
Additive	Clarifier		
Features	Random copolymer		
Uses	Consumer goods application field		
	Medical/nursing supplies		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.9	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - Tangent	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Dart Drop Impact (23°C)	> 36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.9	°C	ASTM D648
Peak Melting Temperature	145 - 152	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (635 μm)	6.0	%	ASTM D1003

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