

KMI PP KM-5161H

Polypropylene Homopolymer

KMI Group, Inc.

Message:

KM-5161H is a high crystallinity polypropylene homopolymer for injection molding applications. It exhibits and excellent stiffness, heat deflection temperature, superior long term heat resistance and high scratch resistance.

General Information			
Features	Rigid, good		
	High crystallization		
	Homopolymer		
	High scratch resistance		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	125	°C	ASTM D648

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