

# KMI PP KM-005JH

Polypropylene Homopolymer

KMI Group, Inc.

Message:

KM-005JH is a homo PP for injection molding applications. The injection molded articles made from this grade offer high rigidity and heat resistance, excellent scratch resistance, and high surface gloss. Products of this grade ascertain pleasant and satisfying service quality due to substantially less odor from reduced volatile organic compounds.

Characteristics:

- High Rigidity and Heat resistance
- Excellent scratch resistance & high surface gloss
- Excellent organoleptics & High purity

General Information			
Features	Excellent Organoleptic Properties		
	High purity		
	Rigidity, high		
	Highlight		
	Homopolymer		
	High scratch resistance		
	Heat resistance, high		
	The smell is low to none		
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)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	110	°C	ASTM D648

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