

# KMI PP KM-169IB

Polypropylene Impact Copolymer

KMI Group, Inc.

## Message:

KM-169IB is s high flow impact PP resin for injection molding applications. KM-169IB is a reactor-made block, PP which exhibits high rigidity as well as excellent impact strength due to the ideal combination of highly crystalline homo matrix and well designed rubber morphology. They are suitable for the injection molding of large-scale articles which require high melt flowability and complex geometries.

Food Contact Application:

KM-169IB meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics:

High productivity and reduction in energy and cost

Excellent balance between stiffness and impact strength

Good heat stability, little volatile materials, and odor-free

General Information			
Features	Block Copolymer		
	Rigidity, high		
	High crystallization		
	Impact copolymer		
	Impact resistance, high		
	High liquidity		
	The smell is low to none		
	Thermal stability, good		
	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/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	120	°C	ASTM D648

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#### Recommended distributors for this material

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