

# KMI PP KM-057IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-057IB is a high flow impact copolymer for injection molding applications. It exhibits a high rigidity as well as excellent impact strength due to the ideal combination of highly crystalline homo matrix and the well-designed rubber morphology. This is suitable for the injection molding of large articles which require high melt flowability.

Food Contact Application:

KM-057IB meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics:

High stiffness and flowability

Excellent balance between stiffness and impact strength

General Information			
Features	Rigidity, high		
	Rigidity, high		
	High crystallization		
	Impact copolymer		
	Impact resistance, high		
	High liquidity		
	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)	28	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)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	120	°C	ASTM D648

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