

# KMI PP KM-599IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-599IB is an ultra high flow impact PP resin for injection molding applications. It is reactor-made block PP, which exhibits high rigidity as well as excellent impact strength due to well-designed resin structure. In addition, it shows better shrinkage property than conventional impact PPs. It is suitable for the injection molding of large-scale articles, base-resin for PP compounds, and thin products.

Characteristics:

High flow ability: MI>100, reactor-made product

Excellent balance between stiffness & impact strength

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Impact copolymer		
	Impact resistance, high		
	High liquidity		
Uses	Thin wall parts		
	Composite		
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)	100	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	< 50	%	ASTM D638
Flexural Modulus	1770	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	127	°C	ASTM D648

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