

KMI PP KM-085IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-085IB is a block copolymer polypropylene resin for injection molding applications. This grade has high ethylene-propylene rubber content. This grade is specifically designed to give high impact resistance. In addition, as other HIPP grades, rigidity and melt flowability of this grade is superior to those of compounded TPO resins with equivalent rubber content.

Characteristics:

High impact resistance -> Outstanding low temperature impact

High rigidity -> Small deformation under load

Good melt flowability -> Molding at lower temperature

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Impact copolymer		
	Impact resistance, high		
	Good liquidity		
	Low temperature impact resistance		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	100	°C	ASTM D648

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