

KMI PP KM-616IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-616IB is a high impact block copolymer for injection molding applications. Due to optimum rubber design, KM-616IB has an excellent property balance between high stiffness and impact strength.

Characteristics:

- Good heat seating -> easily and neatly sealed
- High heat resistance -> High utilization temperature
- High crystallinity -> Short cooling time after injection molding to allow for high speed production
- Good surface hardness -> Superior scratch resistance

General Information			
Features	Block Copolymer		
	Rigidity, high		
	High crystallization		
	Impact copolymer		
	High scratch resistance		
	Impact resistance, high		
	Heat resistance, high		
	Medium hardness		
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)	15	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)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 150	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	118	°C	ASTM D648

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

