

KMI PP KM-003IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-003IB is a high isotactic block copolymer which has higher crystallinity, compared to general PP. Due to high crystalline nature & optimum rubber design, BI300 has an excellent property balance between high stiffness and impact strength. Films made from this grade provide high heat resistance and superior mechanical strength, thus this grade is highly suited to retort pouch film application.

Food Contact Application:

KM-003IB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

Good balance between stiffness and impact strength

High transparency

Punch resistance

Heat resistance

General Information			
Features	Block Copolymer		
	High isotactic		
	Rigidity, high		
	High crystallization		
	Good strength		
	Heat resistance, high		
	Definition, high		
	Compliance of Food Exposure		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/transparent		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	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	109	°C	ASTM D648

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

