

KMI PP KM-503IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-503IB is a propylene-ethylene block copolymer designed for film applications. Well designed EP rubber and managing polymerization process to reduce contaminations gives KM-503IB an extremely low fish-eye level

Food Contact Application:

KM-503IB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

Low fish-eye

High Stiffness: Down gauging possibility

Medium Haze

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Compliance of Food Exposure		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Film extrusion		
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)	80		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
Optical	Nominal Value	Unit	Test Method
Gloss	30		ASTM D2457
Haze	40	%	ASTM D1003

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