

# KMI PP KM-254IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-254IB is a block copolymer polypropylene resin for injection molding applications.

Food Contact Application:

KM-254IB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

HIPP impact copolymer grade offers superior rigidity as well as excellent impact resistance due to the ideal combination of high crystalline homo matrix and optimum rubber morphology control. In addition, melt flowability of HIPP resin is significantly better than conventional PP resins.

General Information			
Features	Block Copolymer		
	Rigidity, high		
	High crystallization		
	Impact copolymer		
	Impact resistance, high		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.1520		
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)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.3	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	130	°C	ASTM D648

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