KMI PP KM-099IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-099IB is s high flow impact PP resin for injection molding applications. KM-099IB is a reactor-made block, PP which exhibits high rigidity as well as excellent impact strength due to the ideal combination of highly crystalline homo matrix and well designed rubber morphology. They are suitable for the injection molding of large-scale articles and thin products
Food Contact Application:
KM-099IB meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
Characteristics:
Excellent balance between stiffness and impact strength
Long-term heat resistance and high flowability

General Information			
Features	Block Copolymer Rigidity, high High crystallization Impact copolymer Impact resistance, high High liquidity 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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	80	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	< 50	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Distortion	120	°C	ASTM D648

Recommended distributors for this material

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