

KMI PP KM-078IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-078IB is a high flow impact copolymer for injection molding applications. It has excellent processability and stiffness-impact strength balance. It can be used for injection molding for large-size applications due to its high flowability and as a base resin for PP composite material that is applicable to automobile exterior and interior parts.

Food Contact Application:

KM-078IB meets the FDA requirements in the Code of Federal Regulations in CFR 177.1520 for food contact.

Characteristics:

Excellent processability

Improved flow mark

General Information			
Features	Block Copolymer		
	Impact copolymer		
	Workability, good		
	High liquidity		
	Compliance of Food Exposure		
Uses	Car interior parts		
	Automotive exterior parts		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.9	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	125	°C	ASTM D648

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