

# KMI PP KM-Y093R

Polypropylene Random Copolymer

KMI Group, Inc.

Message:

KM-Y093R is a random polypropylene that is made for injection molding. It has high impact strength and excellent transparency. Its excellent flow property makes it suitable for various large size home appliances and thing wall products. It can be used for food packaging, packaging container, and various home appliances.

Characteristics:

High transparency & impact strength

High Fluidity

Low thickness

General Information			
Features	Impact resistance, high		
	High liquidity		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Thin wall parts		
	Electrical appliances		
	Container		
	Food packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	95	°C	ASTM D648

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