

KMI PP KMA450-K6R9P

Polypropylene Random Copolymer

KMI Group, Inc.

Message:

KMA450-K6R9P is a clarified polypropylene random copolymer. This grade shows excellent clarity with mold release.

Applications:

Replacement option for PET, polystyrene and polycarbonate high clarity products

General Information			
Additive	Clarifier		
Features	Definition, high		
	Good demoulding performance		
	Random copolymer		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	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)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant	917	MPa	ASTM D790
Tangent	972	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Dart Drop Impact (23°C)	> 36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.8	°C	ASTM D648
Peak Melting Temperature	145 - 152	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (635 μm)	2.8	%	ASTM D1003

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