

KMI PE KM-A632sPF

Medium Density Polyethylene

KMI Group, Inc.

Message:

KM-A632sPF is an Octene Copolymer sMDPE resin used for applications such as cast film, co-extrusion and lamination. This grade contains an enhanced processing antioxidant. KM-A632sPF exhibits excellent tensile and elongation properties, good optical properties and low gel.

General Information			
Additive	Antioxidation		
Features	Low speed solidification crystal point		
	Copolymer		
	Optical		
	Antioxidation		
	Octene comonomer		
	Medium density		
Uses	Films		
	Laminate		
	cast film		
Processing Method	Lamination method		
	Co-extrusion molding		
	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.936	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.9	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD	300	MPa	ASTM D882
1% secant, TD	370	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	14.5	MPa	ASTM D882
TD: Yield	15.2	MPa	ASTM D882
MD: Fracture	44.8	MPa	ASTM D882
TD: Fracture	35.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	600	%	ASTM D882
TD: Fracture	900	%	ASTM D882

Dart Drop Impact ¹	40	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	40	g	ASTM D1922
TD	350	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457
Haze	5.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture	222	J/cm	Internal method
NOTE			
1.	F50		

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