

Elastoprene 8134

Styrene Butadiene Block Copolymer

KMI Group, Inc.

Message:

Elastoprene 8134 is a linear block copolymer of styrene and butadiene, having 32% of styrene content, most of it forming a polystyrene block, which gives the polymer a thermoplastic behavior.

It has a non-staining antioxidant system; FDA approved for use in food contact applications and is essentially gel free with a very clear color.

Elastoprene 8134 is used as compounding ingredient for adhesives. The product is an excellent modifier for asphalt applications including self-adhesive roofing membrane and sealant. Also is used in thermoplastic injected shoe soles formulations.

It is presented as free flowing porous crumb making easy its handling and dissolution.

General Information			
Additive	Antioxidation		
Features	Block Copolymer		
	Low speed solidification crystal point		
	Antioxidation		
	Definition, high		
	Compliance of Food Exposure		
	Linear polymer structure		
Uses	Composite		
	Asphalt modification		
	Sealant		
	Membrane		
	Footwear		
	Adhesive		
Agency Ratings	FDA Food Exposure, Not Rated		
Appearance	Clear/transparent		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Block Styrene	> 31	%	
Styrene Content	32	%	ASTM D5775
Volatile Matter		%	ASTM D5668
Solution viscosity-5.23% in toluene	7.0	cSt	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	69		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.20	MPa	ASTM D412
Tensile Strength	3.70	MPa	ASTM D412
Tensile Elongation (Break)	> 1000	%	ASTM D412

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