

KRATON® G1652 M

Styrene Ethylene Butylene Styrene Block Copolymer

Kraton Polymers LLC

Message:

KRATON G1652 M is a translucent, linear triblock copolymer based on styrene and ethylene/butylene (SEBS) with a Styrene / Rubber ratio of 30/70. It is supplied from North America in the physical form identified below.

Kraton G1652 MU - supplied as an undusted powder

Kraton G1652 MS - supplied as a dusted powder

Kraton G1652 M is used as a modifier of bitumen and polymers. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants, and coatings.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Copolymer
Uses	Adhesives
	Coating Applications
	Compounding
	Footwear
	Plastics Modification
	Sealants
Appearance	Clear/Transparent
Forms	Powder
Processing Method	Coating
	Compounding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D4025
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	5.0	g/10 min	
Antioxidant Additive ¹	0.030 to 0.10	%	Internal Method
Polystyrene Content	29 to 31	%	Internal Method
Solution Viscosity - Toluene, 20%wt (25°C)	400 to 530	mPa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.60	%	Internal Method
Styrene/Rubber ratio	30/70		

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	69		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	4.83	MPa	ASTM D412
Tensile Strength (Yield)	31.0	MPa	ASTM D412

Tensile Elongation (Break)	500	%	ASTM D412
NOTE			

1.	Non-staining phenolic antioxidant
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