

# KRATON® G1643 M

Styrene Ethylene Butylene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton G1643 M is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 20%. It is supplied from North America in the physical form identified below.

Kraton G1643 MS - is supplied as a dusted, dense pellet.

Kraton G1643 M is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Coating		
	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14 to 25	g/10 min	ASTM D1238
Antioxidant Additive <sup>1</sup>	0.060 to 0.14	%	Internal Method
Ash Content - S, Silica	0.020 to 0.12	%	Internal Method
Polystyrene Content	17 to 21	%	Internal Method
Solution Viscosity - Toluene, 25%wt (25°C)	210	mPa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 1.0	%	Internal Method
Styrene/Rubber ratio	20/80		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 30 sec)	52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 10.3	MPa	ASTM D412

Tensile Elongation (Break)	> 600	%	ASTM D412
NOTE			
1.	Non-staining phenolic antioxidant		

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#### Recommended distributors for this material

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