

# KRATON® G1657 M

Styrene Ethylene Butylene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton G1657 M is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 13% . It is supplied from North America in the physical form identified below.

Kraton G1657 MS - supplied as a dusted pellet

Kraton G1657 MO - supplied as a dusted pellet

Kraton G1657 M is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	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 D4025
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	22	g/10 min	
Antioxidant Additive <sup>1</sup>	0.030 to 0.10	%	Internal Method
Ash Content - S, Silica	0.020 to 0.12	%	Internal Method
Polystyrene Content	12 to 14	%	Internal Method
Solution Viscosity - Toluene, 20%wt (25°C)	1.2 to 1.8	Pa · s	Internal Method
Total Extractables	< 1.5	%	Internal Method
Volatile Matter	< 1.0	%	Internal Method
Diblock Content	30.0		
Dust - O	0.45 to 0.75	%	Internal Method
Styrene/Rubber ratio	13/87		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	47		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (300% Strain)	2.41	MPa	ASTM D412
Tensile Strength <sup>3</sup> (Yield)	23.4	MPa	ASTM D412
Tensile Elongation <sup>4</sup> (Break)	750	%	ASTM D412

#### NOTE

- |    |  |
|----|--|
| 1. | Non-staining phenolic antioxidant                                |
| 2. | Typical properties determined on film cast from toluene solution |
| 3. | Typical properties determined on film cast from toluene solution |
| 4. | Typical properties determined on film cast from toluene solution |

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