

# KRATON® D1114 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1114 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 19%. It is supplied from North America in the physical form identified below.

Kraton D1114 PT - supplied as a dusted dense pellet

Kraton D1114 PSM - supplied as a powder dusted with silica

Kraton D1114 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm <sup>3</sup>	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0 to 13	g/10 min	ASTM D1238
Antioxidant Additive <sup>1</sup>	0.080 to 0.30	%	Internal Method
Ash Content			
PSM <sup>2</sup>	2.5 to 5.0	%	ISO 247
Talc	0.2 to 0.4	wt%	Internal Method
Polystyrene Content	17 to 21	%	Internal Method
Solution Viscosity - Toluene, 25%w (25°C)	600 to 1000	mPa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Diblock Content	< 1.00		
Styrene/Rubber ratio	19/81		

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.86	MPa	ASTM D412
Tensile Strength (Yield)	31.7	MPa	ASTM D412
Tensile Elongation (Break)	1300	%	ASTM D412

#### NOTE

1. Primary antioxidant is a non-staining, phenolic antioxidant. The antioxidant package also contains a non-TNPP secondary antioxidant at a target level of 0.2% wt.

2. The final dusting level is a combination of the talc from the original D1114 PT and silica added during the milling process.

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#### Recommended distributors for this material

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