

# KRATON® D1117 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1117 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 17%. It is supplied from North America in the physical form identified below.

Kraton D1117 PT - supplied as a dusted dense pellet

Kraton D1117 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		
	Asphalt Modification		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Forms	Pellets		
Processing Method	Coating		
	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	29	g/10 min	
Antioxidant Additive <sup>1</sup>	0.080 to 0.30	%	Internal Method
Ash Content - T <sup>2</sup>	0.3 to 0.4	wt%	Internal Method
Polystyrene Content	16 to 19	%	Internal Method
Total Extractables	< 1.0	%	Internal Method
Viscosity <sup>3</sup> (25°C)	350 to 590	mPa · s	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Diblock Content	33.0		
Styrene/Rubber ratio	17/83		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	33		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	0.414	MPa	ASTM D412

Tensile Strength (Yield)	8.27	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.	Talc		
3.	solution (Toluene) 25.0%w		

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#### Recommended distributors for this material

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