

KRATON® D1113 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1113 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 16%. It is supplied from North America in the physical form identified below.

Kraton D1113 PT - supplied as a dusted dense pellet.

Kraton D1113 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
Processing Method	Coating
	Compression Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	24	g/10 min	
Antioxidant Additive ¹	0.080 to 0.30	%	Internal Method
Polystyrene Content	15 to 17	%	Internal Method
Solution Viscosity - Toluene, 25% wt (25°C)	470 to 890	mPa · s	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Diblock Content	56.0		
Dust, Talc	0.30 to 0.40	%	Internal Method
Styrene/Rubber ratio	16/84		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, 149°C, Compression Molded)	23		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	0.345	MPa	ASTM D412
Tensile Strength (Yield)	4.14	MPa	ASTM D412

Tensile Elongation (Yield)	1500	%	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.

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