

KRATON® D1171 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1171 P is a clear, linear triblock copolymer based on styrene, butadiene and isoprene with a polystyrene content of 19%. Is is supplied from North America in the form below:

Kraton D1171 P - supplied as a porous pellet

Kraton D1171 P can be used as a base material for hot melt adhesives. It may also find use as a base material for compound formulations and as a modifier for bitumen.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Footwear		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	11	g/10 min	ISO 1133
Solution Viscosity ¹	1000	mPa · s	Internal Method
Bound Styrene	18.1 to 21.1	%	Internal Method
Antioxidant Additive	0.080 to 0.70	%	Internal Method
Ash Content - T, Talc	0.2 to 0.4	wt%	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Diblock Content	26.0		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.07	MPa	ASTM D412
Tensile Strength (Yield)	6.89	MPa	ASTM D412
Tensile Elongation (Break)	1300	%	ASTM D412
NOTE			
1.	25 wt% toluene solution at 25°C		

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Recommended distributors for this material

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