

KRATON® D1161 K

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1161 K is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 15%. It is supplied from North America in the physical form identified below.

Kraton D1161 KT - supplied as a dusted porous pellet

Kraton D1161 KU - supplied as an undusted porous pellet

Kraton D1161 K 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		
	Plastics Modification		
	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)	12	g/10 min	
Bound Styrene	14.0 to 17.0	%	Internal Method
Antioxidant Additive	0.080 to 0.30	%	Internal Method
Ash Content - T, Talc	0.25 to 0.45	%	Internal Method
Total Extractables	< 1.0	%	Internal Method
Viscosity ¹ (25°C)	1.20	Pa · s	Internal Method
Volatile Matter	< 0.70	%	Internal Method
Diblock Content	19.0		
Styrene/Rubber ratio	15/85		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	32		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (300% Strain)	0.689	MPa	ASTM D412
Tensile Strength ³ (Yield)	21.4	MPa	ASTM D412
Tensile Elongation ⁴ (Break)	1300	%	ASTM D412

NOTE	
1.	25% in toluene solution
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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