

# KRATON® D4150 K

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D4150 K is a linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified below.

Kraton D4150 KT - supplied as a porous pellet

Kraton D4150 KU - supplied as an undusted porous pellet

Kraton D4150 K is used as a modifier of bitumen and polymers. It is also suitable as an ingredient in formulating compounds for footwear applications, molded and extruded goods applications and may be used in formulating adhesives, sealants, and coatings.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Footwear		
	Plastics Modification		
	Sealants		
Forms	Pellets		
Processing Method	Coating		
	Compounding		
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)	9.5	g/10 min	
Antioxidant Additive	0.13 to 0.35	%	Internal Method
Ash Content - T, Talc	0.25 to 0.45	%	Internal Method
Oil	32 to 34	%	Internal Method
Polystyrene Content	29 to 33	%	Internal Method
Solution Viscosity - Toluene, 25%wt (25°C)	850	mPa · s	Internal Method
Volatile Matter	< 0.70	%	Internal Method
Diblock Content	17.0		
Styrene/Rubber ratio	31/69		
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 <sup>1</sup> (300% Strain)	1.10	MPa	ASTM D412
Tensile Strength <sup>2</sup> (Yield)	19.3	MPa	ASTM D412
Tensile Elongation <sup>3</sup> (Break)	1400	%	ASTM D412

#### NOTE

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| 1. | Measured on films cast from a solution in toluene. |
| 2. | Measured on films cast from a solution in toluene. |
| 3. | Measured on films cast from a solution in toluene. |

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