

KRATON® D1111 K

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1111 K is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 22%. It is supplied from North America in the physical form identified below.

Kraton D1111 KT - supplied as a dusted porous pellet

Kraton D1111 KU - supplied as an undusted porous pellet

Kraton D1111 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		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Coating		
	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	
Antioxidant Additive	0.080 to 0.30	%	Internal Method
Ash Content ¹	0.25 to 0.45	%	Internal Method
Polystyrene Content	20 to 24	%	Internal Method
Solution Viscosity - Toluene, 25%wt	0.75 to 1.3	Pa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.70	%	Internal Method
Diblock Content	18.0		
Styrene/Rubber ratio	22/78		
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)	1.38	MPa	ASTM D412
Tensile Strength (Yield)	20.0	MPa	ASTM D412
Tensile Elongation (Break)	1200	%	ASTM D412

NOTE

1. Talc

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