KRATON® D1116 K

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1116 K is a clear, radial triblock copolymer based on styrene and butadiene, with a polystyrene content of 23%. It is supplied from North America in the physical form identified below.
Kraton D1116 KT - supplied as a dusted porous pellet
Kraton D1116 KU - supplied as an undusted porous pellet
Kraton D1116 KIM - supplied as a dusted powder
Kraton D1116 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear 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
Appearance	Clear/Transparent
Forms	Pellets Powder
Processing Method	Coating Compounding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm³	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	
Antioxidant Additive [1]	0.15 to 0.40	%	Internal Method
Ash Content			Internal Method
KIM, Talc	3.0 to 5.0	%	
KT, Talc	0.15 to 0.35	%	
Polystyrene Content	21 to 24	%	Internal Method
Total Extractables	< 1.0	%	Internal Method
Viscosity - solution (Toluene) 20%wt (25°C)	2.00 to 3.00	Pa·s	Internal Method
Volatile Matter	< 0.70	%	Internal Method

Diblock Content	16.0		
Styrene/Rubber ratio	23/77		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 10 sec, Compression Molded)	63		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (300% Strain)	2.41	MPa	ASTM D412
Tensile Strength [3] (Yield)	31.7	MPa	ASTM D412
Tensile Elongation [4] (Break)	900	%	ASTM D412
NOTE			
1.	Non-staining phenolic antioxidant		
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		

Recommended distributors for this material

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