KRATON® D1184 A

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1184 A is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in three physical forms, identified as follows in the grade nomenclature:
D1184 AS - supplied as porous pellets dusted with amorphous silica
D1184 AT - supplied as porous pellets dusted with talc
D1184 ASM - supplied as powder dusted with amorphous silica
D1184 AIM - supplied as powder dusted with calcium carbonate for supply to the North American market
Kraton D1184 A polymer is used as a modifier of bitumen in roofing felt coating compounds, roads and pipe coating. It may also be suitable for use in formulating adhesives, sealants and coatings and in the modification of polymers.

General Information	
Additive	Antioxidant
Features	Antioxidant
Uses	Adhesives
	Asphalt Modification
	Coating Applications
	Pipe Coatings
	Sealants
Appearance	Clear/Transparent
Forms	Pellets
	Powder

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm³	ISO 2781
Apparent Density	0.40	g/cm³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	ISO 1133
Solution Viscosity [1]	1000 to 1400	mPa·s	Internal Method
Antioxidant Additive	> 0.14	%	Internal Method
Ash Content			ISO 247
AIM	4.0 to 6.0	%	
AS, AT	< 0.40	%	
ASM	2.5 to 5.0	%	
Polystyrene Content	29 to 31	%	Internal Method
Total Extractables	< 1.4	%	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A, 30 sec)	75		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**

Tensile Stress (300% Strain)	2.50	MPa	ASTM D412
Tensile Stress (Yield)	27.0	MPa	ISO 37
Tensile Elongation (Break)	820	%	ISO 37

NOTE	
1.	15%w Toluene, 25°C

Recommended distributors for this material

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