

KRATON® D1186 A

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1186 A is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in the physical forms identified in the grade nomenclature:

D1186 AT - supplied as porous pellets dusted with talc

D1186 AS - supplied as porous pellets dusted with amorphous silica

D1186 ASM - supplied as powder dusted with amorphous silica

Kraton D1186A 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 Plastics Modification Sealants		
Appearance	Clear/Transparent		
Forms	Crumb Pellets Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	ISO 1133
Antioxidant Additive - KM 08	> 0.1	wt%	
Ash Content			ISO 247
-- ¹	< 0.4	wt%	
ASM	2.5 to 5.0	wt%	
Polystyrene Content - KM 03	29.0 to 31.0	wt%	
Total Extractables - KM 05	< 1.4	wt%	
Viscosity - Solution (25°C) ²	1.00 to 1.40	Pa·s	
Volatile Matter - KM 04	< 0.30	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 30 sec)	74		ISO 868
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress (300% Strain)	3.00	MPa	ISO 37
Tensile Stress (Yield)	24.0	MPa	ISO 37
Tensile Elongation (Break)	800	%	ISO 37

NOTE

1. AS, AT
2. KM 06, 15%w toluene solution

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