

KRATON® D1102 A

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1102 A is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 28.5% mass (AU) or 29.5% mass (AS, ASM) from Europe in the physical form(s) identified below in the grade nomenclature:

D1102 AS - supplied as porous pellets dusted with silica

D1102 AU - supplied as undusted porous pellets

D1102 ASM - supplied as powder dusted with amorphous silica

Kraton D1102 A 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		
	Block Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ISO 1133
Solution Viscosity ¹	900 to 1500	mPa · s	Internal Method
Bound Styrene			Internal Method
-- ²	27.5 to 29.5	%	
-- ³	28.5 to 30.5	%	
-- ⁴	28.5 to 30.5	%	
Antioxidant Additive	> 0.14	%	Internal Method
Ash Content			ISO 247
AS	< 0.40	%	
ASM	2.5 to 5.0	%	
AU	< 0.20	%	

Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 30 sec, Compression Molded)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.90	MPa	ISO 37
Tensile Stress (Break)	33.0	MPa	ISO 37
Tensile Elongation (Break)	880	%	ISO 37
NOTE			
1.	25%w Toluene, 25°C		
2.	AU		
3.	ASM		
4.	AS		

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