

KRATON® D1118 E

Styrene Butadiene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1118 E is a clear, diblock copolymer based on styrene and butadiene with a polystyrene content of 33%. It is supplied from Europe in the physical form identified below.

D1118 ET - supplied as porous pellets dusted with talc

D1118 ES - supplied as porous pellets dusted with amorphous silica

D1118 ESM - supplied as powder dusted with amorphous silica

Kraton D1118 E is used for modification of bitumen. 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		
	Block Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Coating Applications		
	Footwear		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 2781
Antioxidant Additive ¹	0.15 to 0.40	%	Internal Method
Ash Content			
ES	0.15 to 0.40	%	ISO 247
ESM	2.5 to 5.0	%	Internal Method
ET	0.20 to 0.40	%	Internal Method
Extractables	< 1.0	%	Internal Method
Polystyrene Content	31 to 35	%	Internal Method
Solution Viscosity - 25% Toluene (25°C)	470 to 790	mPa·s	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Diblock Content	78	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 10 sec)	74		ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.20	MPa	ISO 37
Tensile Stress (Yield)	2.00	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
NOTE			
1.	Non-staining phenolic antioxidant		

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