

K0553
Europe

KRATON® D1118 E Polymer

Data Document

Identifier : K553DDg15E

Description

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.

- Kraton D1118 ET - supplied as porous pellets dusted with talc
- Kraton D1118 ES - supplied as porous pellets dusted with amorphous silica
- Kraton D1118 ESM - supplied as powder dusted with amorphous silica
- Kraton D1118 ETM - supplied as powder dusted with talc for the North American market

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.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.15 TO 0.40	a
Polystyrene Content	KM 03	%m	31.0 TO 35.0	
Vis, Sol (Toluene) 25.0%w @25C	KM 06	Pa.s	0.47 TO 0.79	
Total Extractables	KM 05	%m	≤ 1.0	
Volatile Matter	KM 04	%m	≤ 0.3	
Ash (ES)	ISO 247	%m	0.15 TO 0.40	
Ash (ET)	ISO 247	%m	0.20 TO 0.40	
Ash (ESM)	ISO 247	%m	2.5 TO 5.0	
Ash (ETM)	BAM 908	%w	4.0 TO 6.0	

a Non-staining phenolic antioxidant

Typical Properties (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value	Notes
Hardness, Shore A	ISO 868	Shore A (10 sec)	74	
Diblock Content	n/a	%	78	
Tensile Strength	ISO 37	Mpa	2	
Elongation at Break	ISO 37	%	600	
Specific Gravity	ISO 2781		0.94	
300% Modulus	ISO 37	MPa	1.2	

Packaging

Kraton Polymers are available in a number of different package types. For information specific to this grade, please contact your local Kraton Polymers representative.

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