

K0037
South America

KRATON® D1116 B Polymer

Data Document

Identifier : K037DDa12LA

Description

Kraton D1116 B is a clear, radial triblock copolymer based on styrene and butadiene, with a polystyrene content of 23%. It is supplied from South America in the physical form identified below.

- Kraton D1116 BT - supplied as a porous pellet dusted with talc

Kraton D1116 B is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	21.2 TO 24.4	
Solution Viscosity	KM 06	Pa.s	2.00 TO 3.00	a
Ash, BT	ISO 247	%m	0.15 TO 0.35	b
Volatile Matter	KM 04	%m	<= 0.7	
Total Extractables	KM 05	%m	<= 1.0	
Antioxidant	KM 08	%m	0.15 TO 0.40	c

- a** 20%w toluene solution at 25C
b Talc
c 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
Styrene / Rubber ratio	n/a		23/77	
Melt Index 200°C, 5kg	n/a	gms/10 Min.	< 1	
Hardness	ASTM 2240	Shore A (10s)	63	e
300% Modulus	ISO 37	MPa	2.4	d
Elongation at break	ASTM D-412	%	900	d
Specific gravity	ASTM D4025	gm/cc	0.94	
Diblock content	n/a		16	
Tensile Strength	ISO 37	Mpa	32	d

- d** Typical properties determined on film cast from toluene solution
e Typical values on polymer compression molded at 180C

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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