



K0412
Europe

KRATON™ D1101 A Polymer

Data Document

Identifier : K412DDn23E

Description

Kraton D1101 A polymer is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 31% mass. It is supplied from Europe in the physical forms identified as follows in the grade nomenclature:

- D1101 AT - supplied as porous pellets dusted with talc
- D1101 AS - supplied as porous pellets dusted with amorphous silica
- D1101 AU - supplied as porous pellets undusted
- D1101 ASM - supplied as powder dusted with amorphous silica
- D1101 AIM - supplied as powder dusted with calcium carbonate for supply to the North American market

Kraton D1101 A polymer is used as a modifier of bitumen in roofing felt compounds, roads and pipe coating. 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
Polystyrene Content	KM 03	%m	30.0 TO 32.0	
Vis, Sol (Toluene) 25.0%w @25C	KM 06	Pa.s	3.0 TO 5.0	
Volatile Matter	KM 04	%m	≤ 0.3	
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant content	KM 08	%m	0.14 ≥ =	
Ash (AU)	ISO 247	%m	≤ 0.2	
Ash (AS)	ISO 247	%m	≤ 0.4	
Ash (AT)	ISO 247	%m	≤ 0.4	a
Ash (ASM)	ISO 247	%m	2.5 TO 5.0	b
Ash (AIM)	BAM 908	%w	4.0 TO 6.0	c

- a** for bulk deliveries ash content is < 0.5% m
- b** Europe and South America
- c** North America

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

Property	Test Method	Units	Typical Value	Notes
Specific Gravity	ISO 2781		0.94	
Bulk Density	ASTM D 1895 method B	kg/dm3	0.4	
Melt Flow Rate, 200°C/5kg	ISO 1133	g/10min.	< 1	
Tensile Strength	ISO 37	Mpa	33	b
300% Modulus	ISO 37	MPa	2.9	b
Elongation at Break	ISO 37	%	880	b
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	72	a

- a** Measured on compression moulded slabs
- b** Measured on films cast from a solution in toluene

Packaging

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