



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.