



K004
Europe

KRATON™ D1102 A Polymer

Data Document

Identifier : K004DDf17E

Description

Kraton D1102 A is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 28.5% mass (AU) or 29.5% mass (AS, ASM) from Europe in the physical form(s) identified below in the grade nomenclature:

- D1102 AS - supplied as porous pellets dusted with silica
- D1102 AU - supplied as undusted porous pellets
- D1102 ASM - supplied as powder dusted with amorphous silica

Kraton D1102 A is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content (AS, ASM)	KM 03	%m	28.5 TO 30.5	
Polystyrene Content (AU)	KM 03	%m	27.5 TO 29.5	
Vis, Sol (Toluene) 25.0%w @25C	KM 06	Pa.s	0.9 TO 1.5	
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant content	KM 08	%m	≥ 0.14	
Volatile Matter	KM 04	%m	≤ 0.3	
Ash (AS)	ISO 247	%m	≤ 0.4	
Ash (ASM)	ISO 247	%m	2.5 TO 5.0	
Ash (AU)	ISO 247	%m	≤ 0.2	

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

Property	Test Method	Units	Typical Value	Notes
Bulk Density	ASTM D 1895 method B	kg/dm ³	0.4	
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	70	a
Specific Gravity	ISO 2781		0.94	
Tensile Strength	ISO 37	Mpa	33	b
300% Modulus	ISO 37	MPa	2.9	b
Elongation at Break	ISO 37	%	880	b
Melt Flow Rate, 200C/5kg	ISO 1133	g/10min.	10	d
Melt Flow Rate, 200C/5kg	ISO 1133	g/10min.	8	c

a Measured on compression moulded slabs

b Measured on films cast from a solution in toluene

c for AS and ASM version

d for AU version

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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