



K0010
Europe

KRATON™ D1184 A Polymer

Data Document

Identifier : K010DDj21E

Description

Kraton D1184 A is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in the physical forms identified as follows in the grade nomenclature:

- Kraton D1184 AS - supplied as porous pellets dusted with amorphous silica
- Kraton D1184 AT - supplied as porous pellets dusted with talc
- Kraton D1184 ASM - supplied as powder dusted with amorphous silica
- Kraton D1184 AIM - supplied as powder dusted with calcium carbonate for supply to the North American market

Kraton D1184 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

<u>Property</u>	<u>Test Method</u>	<u>Units</u>	<u>Sales Specification Range</u>	<u>Notes</u>
Polystyrene Content	KM 03	%m	29.0 TO 31.0	
Vis, Sol (Toluene) 15.0%w @25C	KM 06	Pa.s	1.00 TO 1.40	
Total Extractables	KM 05	%m	≤ 1.4	
Volatile Matter	KM 04	%m	≤ 0.3	
Antioxidant content	KM 08	%m	≥ 0.14	a
Ash (AS, AT)	ISO 247	%m	≤ 0.4	
Ash (ASM)	ISO 247	%m	2.5 TO 5.0	b
Ash (AIM)	ISO 247	%m	4.0 TO 6.0	c

- a** Only refers to primary antioxidant content
- b** Milled product with silica dusting agent
- c** Milled product with calcium carbonate dusting agent

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

<u>Property</u>	<u>Test Method</u>	<u>Units</u>	<u>Typical Value</u>	<u>Notes</u>
Specific Gravity	ISO 2781		0.94	
Bulk Density	ASTM D 1895 method B	kg/dm3	0.4	
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	75	
Elongation at Break	ISO 37	%	820	
Melt Flow Rate, 200°C/5kg	ISO 1133	g/10min.	≤1	
Tensile Strength	ISO 37	Mpa	27	
300% Modulus	ISO 37	MPa	2.5	

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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