



K0503  
Europe

**KRATON™ D1184 E Polymer**

**Data Document**

Identifier : K503DDj23E

**Description**

Kraton D1184 E 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:

- D1184 ET - supplied as porous pellets dusted with talc
- D1184 ES - supplied as porous pellets dusted with amorphous silica
- D1184 ESM - supplied as powder dusted with amorphous silica

Kraton D1184 E 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	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	
Antioxidant Content	KM 08	%m	>= 0.14	a
Volatile Matter	KM 04	%m	<= 0.3	
Ash (ES, ET)	ISO 247	%m	<= 0.4	
Ash (ESM)	ISO 247	%m	2.5 TO 5.0	

**a** Only refers to primary antioxidant content

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

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

**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.