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KRATON

K0519
Berre

KRATON™ D1101 E Polymer

Data Document

Identifier : K519DDf21E

Description

Kraton D1101 E 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:

- Kraton D1101 ES - supplied as porous pellets dusted with amorphous silica
- Kraton D1101 ET - supplied as porous pellets dusted with talc
- Kraton D1101 ESM - supplied as powder dusted with amorphous silica

Kraton D1101 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	30.0 TO 32.0	
Vis, Sol (Toluene) 25.0%w @25C	KM 06	Pa.s	3.0 TO 5.0	
Total Extractables	KM 05	%m	<= 1.0	
Antioxidant content	KM 08	%m	>= 0.14	
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	

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

Property	Test Method	Units	Typical Value	Notes
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	72	b
300% Modulus	ISO 37	MPa	2.9	a
Elongation at Break	ISO 37	%	880	a
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	a

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