K768
North America

KRATON™ D1101 M Polymer

Data Document

Identifier : K768DDa25U

Description

Kraton D1101 M is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified below.

- Kraton D1101 MU - supplied as an undusted powder
- Kraton D1101 MF - supplied as a dusted powder

Kraton D1101 M is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	29.0 TO 33.0	
Antioxidant	KM 08	%m	0.15 TO 0.40	a
Total Extractables	KM 05	%m	<= 1.0	
Volatile Matter	KM 04	%m	<= 0.7	

a Non-staining phenolic antioxidant

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

Property	Test Method	Units	Typical Value	Notes
Tensile strength	ASTM D-412	psi	4600	e
300% Modulus	ASTM D-412	psi	400	e
Hardness	ASTM 2240	Shore A (10s)	69	d
Melt Index 200°C, 5kg	n/a	gms/10 Min.	<1	
Diblock content	n/a		16	
Elongation at break	ASTM D-412	%	880	e
Specific gravity	ASTM D4025	gm/cc	0.94	
Styrene / Rubber ratio	n/a		31/69	
Solution Viscosity	BAM 922	cps	3900	c

c 25%w toluene solution at 25 °C
d Typical values on polymer compression molded at 350 °F
e Measured on films cast from a solution in toluene