



K0331
Europe

KRATON™ D1152 E Polymer

Data Document

Identifier : K331DDm23E

Description

Kraton D1152 E is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 29.5% mass. It is supplied from Europe in the physical form(s) identified below in the grade nomenclature:

- Kraton D1152 ES - supplied as porous pellets dusted with amorphous silica
- Kraton D1152 ET - supplied as porous pellets dusted with talc
- Kraton D1152 ESM - supplied as powder dusted with amorphous silica

Kraton D1152 E is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	28.5 TO 30.5	
Total Extractables	KM 05	%m	<= 1.0	
Antioxidant content	KM 08	%m	>= 0.15	
Volatile Matter	KM 04	%m	<= 0.3	
Ash (ES)	ISO 247	%m	0.10 TO 0.40	
Ash (ET)	ISO 247	%m	0.20 TO 0.50	
Ash (ESM)	ISO 247	%m	2.5 TO 5.0	
Melt Flow, 200C/5000g	ISO 1133	g/10 min	3.5 TO 13.5	

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

Property	Test Method	Units	Typical Value	Notes
Specific Gravity	ISO 2781		0.94	
Solution Viscosity	BMS 0380	Pa.s	1.0	a
Bulk Density	ASTM D 1895 method B	kg/dm3	0.4	
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	68	c
300% Modulus	ISO 37	MPa	4.0	b
Tensile Strength	ISO 37	MPa	28	b
Elongation at Break	ISO 37	%	1075	b

a Measured on 25% mass solution in toluene at 25degrC using a Brookfield viscometer, LTF or LTV model

b Measured on films cast from a solution in toluene

c Measured on compression moulded slabs

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.