



K0286
Europe
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KRATON™ D4153 E Polymer

Data Document

Identifier : K286DDI22E

Description

Kraton D4153 E is an oil-extended linear block copolymer based on styrene and butadiene with bound styrene in the neat polymer of 35% mass. It contains 40 phr paraffinic oil which is classified as not hazardous. Information on the CAS and EINECS registry numbers of the paraffinic oil used for this grade is available on request. The product is supplied from Europe in the physical form identified below.

- Kraton D4153 ES - supplied as porous pellets dusted with an amorphous silica
- Kraton D4153 ESM - supplied as powder dusted with an amorphous silica

Kraton D4153 E is used in formulating compounds for footwear, technical and general purpose applications. It can also be used in formulating adhesives, sealants and coatings and as a modifier of bitumen.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	34.0 TO 36.0	
Total Extractables, Oil	KM 05	%m	29.0 TO 32.0	
Volatile Matter	KM 04	%m	<= 0.3	
Antioxidant Content	KM 08	%m	>= 0.10	
Melt Flow, 200C/5000g	ISO 1133	g/10 min	23 TO 37	
Ash (ES)	ISO 247	%m	0.15 TO 0.35	
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
300% Modulus	ISO 37	MPa	2.5	a
Abrasion	DIN 53516	cubic mm	105	a
Specific Gravity	ASTM D 792		0.94	
Tensile Strength	ISO 37	Mpa	10	a
Elongation at Break	ISO 37	%	900	a
Bulk Density	ASTM D 1895 method B	kg/dm ³	0.4	
Hardness, Shore A (15 sec)	ISO 868	Shore A (15 sec)	45	b
a	Measured on 2 mm thick injection moulded slabs			
b	Measured on 6 mm thick injection moulded slabs			

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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End Use Requirements

If the finished article is intended for use in food contact and packaging applications, toys, or human contact areas, manufacturers of the final product should observe all relevant regulations. Some of these regulations require tests to be carried out on the final product, e.g. migration. These are the responsibility of the final product manufacturer. Information on the food packaging clearances of individual products is available from Kraton Polymers.

Safety and Handling Precautions

Read the GHS Data Sheet carefully and thoroughly before beginning any work.

Legal Disclaimer

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For Further Information

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