



K787
Asia

KRATON™ D1111 J Polymer

Data Document

Identifier : K787DDb26A

Description

Kraton D1111 J is a clear, linear block copolymer based on styrene and isoprene with bound styrene of 22% mass. D1111 J is compliant for both FDA and EU Food Contact Material. It is supplied from Japan in the physical form(s) identified below in the grade nomenclature.

- Kraton D1111 JU - supplied as undusted crumb
- Kraton D1111 JS - supplied as amorphous silica dusted crumb
- Kraton D1111 JSM - supplied as amorphous silica dusted powder

Kraton D1111 J is used in formulating adhesives, sealants and coatings. It is also used as a modifier of polymers and compounds.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	20.5 TO 23.5	1
Volatile Matter	KM 04	%m	<= 0.70	
Ash(JS)	ISO 247	%m	<= 1.00	
Ash(JSM)	ISO 247	%m	3.0 TO 5.0	2
Antioxidant, primary	KM 08	%m	0.15 TO 0.30	
Melt Flow, 200C/5000g	ISO 1133	g/10 min	0.8 TO 2.2	
1 Provisional spec. Will determine after at least 3 runs.				
2 The D1111 JSM is milled in Europe and additional silica is added during the milling process.				

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

Property	Test Method	Units	Typical Value	Notes
Polystyrene Content	KM03	%m	22	
Diblock Content	n/a	%	18	
Elongation at Break	ISO 37	%	1200	a
300% Modulus	ISO 37	MPa	1.4	a
Tensile Strength	ISO 37	MPa	20	a
Solution Viscosity	KM06	Pa.s	1	
Melt Flow Rate 200C / 5kg	ISO 1133	g/10min	2	
Hardness, Shore A (10 sec)	ISO 7619	Shore A (10 sec)	45	
Specific Gravity	ISO 2781		0.93	
a Typical values on polymer compression molded at 150C.				