



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	
<b>1</b> Provisional spec. Will determine after at least 3 runs.				
<b>2</b> 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	
<b>a</b> Typical values on polymer compression molded at 150C.				