



K0293
North America

KRATON™ D1161 P Polymer

Data Document

Identifier : K293DDy25U

Description

Kraton D1161 P is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 15%. It is supplied from North America in the physical form identified below.

- Kraton D1161 PT - supplied as a dusted dense pellet with talc
- Kraton D1161 PTM - supplied as a powder dusted with silica
- Kraton D1161 PK - supplied as a dusted dense pellet with kaolin
- Kraton D1161 PKM - supplied as a powder dusted with silica

Kraton D1161 PT and Kraton D1161 PK are variations of the same polymer, produced on the same production assets.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.08 TO 0.30	
Dust, Fine Talc	BAM 908	%w	0.20 TO 0.40	a
Dust, Kaolin	BAM 908	%w	0.10 TO 0.50	c
Melt Flow, 200C/5000g	ASTM D1238	g/10 min	8.5 TO 18.5	
Vis, Sol (Toluene) 25.0%w @25C	BAM 922	cP	800 TO 1,600	
Polystyrene Content	KM 03	%m	14.0 TO 17.0	
Total Extractables	KM 05	%m	<= 1.0	
Volatile Matter	KM 04	%m	<= 0.3	
Ash (PTM)	ISO 247	%m	3.0 TO 5.0	b
Ash (PKM)	ISO 247	%m	3.0 TO 5.0	d

a Talc

b D1161 PTM milled in Europe. The final dusting level is a combination of the talc from the original D1161 PT plus silica added during the milling process.

c Kaolin

d D1161 PKM milled in Europe. The final dusting level is a combination of the kaolin from the original D1161 PK plus silica 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
Solution Viscosity	BAM 922	cps	1200	d
300% Modulus	ASTM D-412	psi	130	c
Specific Gravity	ASTM D 792		0.92	
Hardness	ASTM 2240	Shore A (10s)	32	b
Tensile strength	ASTM D-412	psi	3100	c
Diblock content	n/a		19	
Styrene / Rubber ratio	n/a		15/85	
Elongation at break	ASTM D-412	%	1300	c
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	13.5	

b Typical values on polymer compression molded at 300F.

c Measured on films cast from a solution in toluene.

d 25%w toluene solution at 25C.

Packaging

Kraton's products are available in a number of different package types.