



K0098
North America

KRATON™ D1117 P Polymer

Data Document

Identifier : K098DDq24U

Description

Kraton D1117 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 17%. It is supplied from North America in the physical form identified below.

- Kraton D1117 PT - supplied as a dusted dense pellet with talc
- Kraton D1117 PK - supplied as a dusted dense pellet with kaolin

Kraton D1117 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.08 TO 0.30	
Dust, Kaolin	BAM 908	%w	0.10 TO 0.50	
Dust, Fine Talc	BAM 908	%w	0.20 TO 0.40	
Polystyrene Content	KM 03	%m	15.6 TO 19.2	
Total Extractables	KM 05	%m	<= 1.0	
Vis, Sol (Toluene) 25.0%w @25C	BAM 922	cP	350 TO 590	
Volatile Matter	KM 04	%m	<= 0.5	

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

Property	Test Method	Units	Typical Value	Notes
Specific Gravity	ASTM D 792		0.92	
Diblock content	n/a		33	
Hardness	ASTM 2240	Shore A (10s)	33	b
Styrene / Rubber ratio	n/a		17/83	
Tensile strength	ASTM D-412	psi	1200	c
300% Modulus	ASTM D-412	psi	60	c
Elongation at break	ASTM D-412	%	1300	c
Melt Index 190C, 5kg	ASTM D1238	gms/10 min.	29	

b Typical values on polymer compression molded at 300F.

c Typical properties determined on film cast from toluene solution.

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.