

KRATON® D1161 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

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

Kraton D1161 PTM - supplied as a dusted powder

Kraton D1161 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
	Powder		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.5 to 19	g/10 min	ASTM D1238
Antioxidant Additive ¹	0.080 to 0.30	%	Internal Method
Ash Content			
PTM	3.0 to 5.0	%	ISO 247
T, Talc	0.20 to 0.40	%	Internal Method
Polystyrene Content	14 to 17	%	Internal Method
Solution Viscosity - Toluene, 25%w (25°C)	0.80 to 1.6	Pa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Diblock Content	19.0		
Styrene/Rubber ratio	15/85		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	32		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress (300% Strain)	0.896	MPa	ASTM D412
Tensile Strength (Yield)	21.4	MPa	ASTM D412
Tensile Elongation (Break)	1300	%	ASTM D412

NOTE

1.
- Primary antioxidant is a non-staining, phenolic antioxidant. The antioxidant package also contains a non-TNPP secondary antioxidant at a target level of 0.2% wt.

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