

KRATON® D1164 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1164 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 29%. It is supplied from North America in the physical form identified below.

Kraton D1164 PT - supplied as a dusted dense pellet

Kraton D1164 P is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Coating		
	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0 to 15	g/10 min	ASTM D1238
Antioxidant Additive ¹	0.080 to 0.30	%	Internal Method
Ash Content - T, Talc	0.2 to 0.4	wt%	Internal Method
Polystyrene Content	28 to 31	%	Internal Method
Solution Viscosity - Toluene, 25%w (25°C)	200 to 400	mPa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Styrene/Rubber ratio	29/71		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	53		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	3.07	MPa	Internal Method
Tensile Strength (Yield)	27.6	MPa	Internal Method
Tensile Elongation (Break)	1000	%	Internal Method

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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