

# KRATON® D1124 P

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1124 P is a clear, branched copolymer based on styrene and isoprene with a polystyrene content of 30%. It is supplied from North America in the physical form identified below.  
Kraton D1124 PT - supplied as a dusted dense pellet  
Kraton D1124 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.

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
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	
Antioxidant Additive	0.080 to 0.30	%	Internal Method
Ash Content - T, Talc	0.2 to 0.4	wt%	Internal Method
Polystyrene Content	28 to 32	%	Internal Method
Solution Viscosity - Toluene, 25%w (25°C)	280 to 400	mPa · s	Internal Method
Total Extractables	< 1.2	%	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Diblock Content	29.0		
Styrene/Rubber ratio	30/70		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.96	MPa	ASTM D412

Tensile Strength (Yield)	14.5	MPa	ASTM D412
Tensile Elongation (Break)	1100	%	ASTM D412

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