

KRATON® D4270 B

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton® D4270B is an oiled, branched copolymer based on styrene and butadiene with a polystyrene content of 32%. It is supplied from South America in the physical form identified below.

- D4270BT supplied as a dusted porous pellet
- D4270BS supplied as a dusted porous pellet

Kraton D4270B is used for formulating compound for footwear and general purpose applications.

General Information			
Additive	Antioxidant (4000 ppm) Lubricant		
Features	Copolymer Lubricated		
Uses	Footwear General Purpose		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ISO 1133
Bound Styrene	31.0 to 33.0	%	Internal Method
Antioxidant Additive	> 0.40	%	Internal Method
Ash Content ¹	< 0.50	%	ISO 247-B
Volatile Matter	< 0.70	%	Internal Method
Abrasion	100	mm ³	DIN 53516
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	46		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.90	MPa	ISO 37
Tensile Stress (Yield)	12.0	MPa	ISO 37
Tensile Elongation (Break)	1100	%	ISO 37
NOTE			

1. Product Form "S" or "T"

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