KRATON® D4274 B

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton® D4274B is an oiled, branched copolymer based on styrene and butadiene with bound styrene in the neat polymer of 49% mass. It is supplied from South America in the physical form identified below.
-D4274BT supplied as a dusted pellet
-D4274BS supplied as a dusted pellet
Kraton D4274B is used for formulating compound for footwear and general purpose applications.

General Information	
Additive	Antioxidant (2500 ppm)
Features	Copolymer
Uses	Footwear General Purpose
Forms	Pellets

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.40	g/cm³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	20	g/10 min	ISO 1133
Solution Viscosity	14000 to 26000	mPa·s	Internal Method
Bound Styrene	47.0 to 51.0	%	Internal Method
Antioxidant Additive	> 0.25	%	Internal Method
Ash Content [1]	< 0.50	%	ISO 247-B
Extractables	29.5 to 32.5	%	Internal Method
Volatile Matter	< 0.70	%	Internal Method
Abrasion	175	mm³	DIN 53516

Hardness	Nominal Value	Unit	Test Method
Shore Hardness [2] (Shore A, 15 sec)	83		ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress [3] (300% Strain)	4.10	MPa	ISO 37
Tensile Stress [4] (Yield)	14.0	MPa	ISO 37
Tensile Elongation [5] (Break, 149°C)	890	%	ISO 37

NOTE	
1.	Product Form "S" or "T"
2.	Measured on films cast from a solution in toluene
3.	Measured on compression molded slabs
4.	Measured on compression molded slabs
5.	Measured on polymer compression molded slabs

Recommended distributors for this material

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