

SYNTHOS Kralex® 1501 Styrene Butadiene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

KRALEX® 1501 is a standard grade of styrene butadiene rubber. It is produced by a technology of cold emulsion polymerization based on soaps of rosin acids and contains 23.5% of chemically bonded styrene. It is coagulated by a system of acid and organic coagulant, does not contain extender oil and is stabilized by a non-staining antioxidant. KRALEX® 1501 is appropriate for rubber compounds used in the production of floor coverings, bicycle tires, footwear, children toys, cables, hosepipes and various rubber articles having dark color shades. It is approved for the production of rubber articles coming into contact with foods. The producer of these articles, however, is responsible for any decision about the suitability of the final product for predicted usage and for the compliance with specific requirements for individual cases. Synthos was formerly known as Kaucuk. All information provided by Synthos.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SYNTHOS-Kralex-1501-Styrene-Butadiene-Rubber.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Mooney Viscosity	44 - 54 @Temperature 100 Â°C	44 - 54 @Temperature 212 Â°F	(1+4); ASTM D1646
Ash	<= 0.40 %	<= 0.40 %	ASTM D5667

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	23.0 MPa	3340 psi	35'/145Â°C; ASTM D412
Elongation at Break	410 %	410 %	35'/145Â°C; ASTM D412
300% Modulus	0.0120 - 0.0180 GPa	1.74 - 2.61 ksi	35'/145Â°C; ASTM D412

Chemical Properties	Metric	English	Comments
Acid Value	5.0 - 7.5	5.0 - 7.5	ASTM D5774
Styrene Content	23.5 %	23.5 %	ASTM D5775

Descriptive Properties	Value	Comments
50% of Vulcanization t' 50 (min.)	7-11	ASTM D5289
Antioxidant Grade	Non-Staining	
Compound Safety ts 1 (min.)	2.2-4	ASTM D5289
Maximal Moment (dNm)	18.5-21	ASTM D5289
Minimal Moment (dNm)	2.1-2.6	ASTM D5289

Descriptive Properties	Value	Comments
Optimal Vulcanization t' 90 (min.)	14-19	ASTM D5289
Soaps content (%)	<= 0.3	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China