

## SYNTHOS Kralex<sup>®</sup> 1502 Styrene Butadiene Rubber

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

### Material Notes:

KRALEX<sup>®</sup> 1502 is a standard grade of styrene butadiene rubber. It is produced by a technology of cold emulsion polymerization based on soaps of rosin and fatty 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<sup>®</sup> 1502 is appropriate for rubber compounds used in the production of floor coverings, bicycle tires, footwear, children toys, cables, hosepipes and various rubber articles having light color shades. KRALEX<sup>®</sup> 1502 does not contain any components excluding usage of KRALEX<sup>®</sup> 1502 for production of articles coming into contact with foodstuffs. Producer of KRALEX<sup>®</sup> 1502 is not responsible for hygienic parameters of the final vulcanizate. 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-1502-Styrene-Butadiene-Rubber.php](http://www.lookpolymers.com/polymer_SYNTHOS-Kralex-1502-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	380 %	380 %	35'/145Â°C; ASTM D412
300% Modulus	0.0150 - 0.0210 GPa	2.18 - 3.05 ksi	35'/145Â°C; ASTM D412

Chemical Properties	Metric	English	Comments
Acid Value	4.5 - 7.0	4.5 - 7.0	ASTM D5774
Styrene Content	23.5 %	23.5 %	ASTM D5775

Descriptive Properties	Value	Comments
50% of Vulcanization t' 50 (min.)	5.5-9.5	ASTM D5289
Antioxidant Grade	Non-Staining	
Compound Safety ts 1 (min.)	2-3.8	ASTM D5289
Maximal Moment (dNm)	19-22	ASTM D5289
Minimal Moment (dNm)	2.1-2.8	ASTM D5289

Descriptive Properties	Value	Comments
Optimal Vulcanization T <sub>90</sub> (min.)	12-17	ASTM D5239
Soaps content (%)	<= 0.3	

## Contact Songhan Plastic Technology Co.,Ltd.

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