

# Calprene® 500

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene 500 is a 70/30 Butadiene/Styrene thermoplastic copolymer, polymerized in solution and having a linear structure. This product is presented in pellet form and has excellent optical properties due to its clarity. It is stabilized with a non staining antioxidant system FDA approved for use in food contact applications and is essentially gel free with a very clear color. C-500 is used in adhesive formulation, in thermoplastic injected shoe sole formulations, and transparent compounds.

APPLICATIONS:

- Plastic modification
- Adhesives
- Footwear

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Food Contact Acceptable		
	High Clarity		
	Linear Polymer Structure		
	Low Gel		
	Opticals		
Uses	Adhesives		
	Footwear		
	Plastics Modification		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Ash Content	< 0.35	%	ASTM D5667
Color - Hunterlab	3.0		ASTM D1925
Solution Viscosity - 25% in toluene <sup>1</sup>	1.1	Pa · s	
Styrene Content	30	%	ASTM D5775
Volatile Matter	0.40	%	ASTM D5668
Abrasion	70	mm <sup>3</sup>	DIN 53516
Insolubles - in toluene, 325 mesh <sup>2</sup>	< 0.10	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	68		ASTM D2240

## NOTE

- |    |             |
|----|-------------|
| 1. | MA 04-3-064 |
| 2. | MA 04-3-018 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT