

# Calprene® 540

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene 540 is a 60/40 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-540 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		
	Transparent Parts		
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>	600	mPa · s	
Styrene Content	40	%	ASTM D5775
Volatile Matter	0.40	%	ASTM D5668
Abrasion	100	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)	90	ASTM D2240
NOTE		
1.	MA 04-3-064	
2.	MA 04-3-018	

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#### Recommended distributors for this material

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