

Dynasol Calprene® 500 Thermoplastic Rubber SBS Dry

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

Material Notes:

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: Footwear Adhesives Plastic modification Information provided by Dynasol

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Calprene-500-Thermoplastic-Rubber-SBS-Dry.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.40 %	<= 0.40 %	ASTM D-5668
Brookfield Viscosity	1100 cP	1100 cP	25% toluene solution; MA 04-3-064
Melt Index of Compound	5.0 g/10 min @Load 5.00 kg, Temperature 190 °C	5.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D-1238
Ash	<= 0.35 %	<= 0.35 %	ASTM D-5667

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	ASTM D-2240
Abrasion	70	70	mm ³ ; DIN 53516

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Chemical Properties	Metric	English	Comments
Styrene Content	30 %	30 %	on polymer; ASTM D-5775

Descriptive Properties	Value	Comments
Hunterlab color, max	3	
Insolubles in toluene, 325 mesh, % max	0.1	

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