

Calprene® 501

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene 501 is a 69/31 butadiene/styrene thermoplastic copolymer, polymerized in solution and having a linear structure.

This product is available in:

C 501 porous crumb

C 501C porous pellet

C 501M powder form dusted with amorphous silica

APPLICATIONS:

Bitumen modification

Footwear

Mechanical rubber goods

Plastic modification

Adhesives

General Information			
Features	Copolymer		
	Dispersible		
	Linear Polymer Structure		
	Porous		
Uses	Adhesives		
	Asphalt Modification		
	Footwear		
	Machine/Mechanical Parts		
	Plastics Modification		
Forms	Crumb		
	Pellets		
	Powder		
Physical	Nominal Value	Unit	Test Method
Ash Content	< 0.35	%	ASTM D5667
Color - Hunterlab	2.0		ASTM D1925
Solution Viscosity			
25% in toluene ¹	5.0	Pa · s	
5.23% in toluene ²	13	cSt	
Styrene Content	31	%	ASTM D5775
Volatile Matter	0.40	%	ASTM D5668
Insolubles - in toluene, 325 mesh ³	< 0.10	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	76		ASTM D2240

NOTE	
1.	MA 04-3-064
2.	MA 04-3-003
3.	MA 04-3-018

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