

Calprene® 501

DESCRIPTION:

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

TECHNICAL DATA:

<i>Polymer Properties</i>	<i>Value</i>	<i>Test Method</i>
Toluene solution viscosity 25% Pa.s	5	MA 04-3-064
Toluene solution viscosity 5,23% cSt	13	MA 04-3-003
Volatile matter, %	0.4	ASTM D-5668
Hunterlab color	2	ASTM D-1925-70
Total styrene (on polymer), %	31	ASTM D-5775
Hardness, °Shore A	76	ASTM D-2240
Insolubles in toluene, 325 mesh, %	<0.1	MA 04-3-018
Ashes, %	<0.35	ASTM D-5669

<i>Modified Bitumen Properties</i>	<i>Value</i>	<i>Test Method</i>
In waterproof membranes (150/200 bitumen + 12% polymer)		
Ring & Ball temperature, °C	>115	ASTM D-36
Penetration at 25 °C, 1/10 mm	<55	ASTM D-5-86
Viscosity at 180 °C, cP	1600	---
Cold flexibility, °C	<-35	MA 04-5-009

APPLICATIONS:

- Bitumen modification
- Footwear
- Mechanical rubber goods
- Plastic modification
- Adhesives

NOTE:

High porosity and easy dispersion

www.dynasolelastomers.com

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TECHNICAL SHEET