

## Dynasol Calprene® 411 Thermoplastic Rubber SBS Dry

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

### Material Notes:

Calprene 411 is a 70/30 Butadiene/Styrene thermoplastic copolymer, polymerized in solution and has a radial structure. This product is available in: C 411 porous crumb C 411C porous pellet C 411M powder form dusted with amorphous silica  
 Applications: Bitumen modification  
 Footwear  
 Mechanical rubber goods  
 Plastic modification  
 adhesives  
 Information provided by Dynasol

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dynasol-Calprene-411-Thermoplastic-Rubber-SBS-Dry.php](http://www.lookpolymers.com/polymer_Dynasol-Calprene-411-Thermoplastic-Rubber-SBS-Dry.php)

Physical Properties	Metric	English	Comments
Volatiles	<= 0.40 %	<= 0.40 %	ASTM D-5668
Viscosity	2200 cP @Temperature 180 °C	2200 cP @Temperature 356 °F	Modified Bitumen Property in waterproof membranes (150/200 bitumen + 12% polymer)
Brookfield Viscosity	18500 cP	18500 cP	25% toluene solution; MA 04-3-064
Viscosity Measure	26 cSt	26 cSt	Toluene solution viscosity 5,23%; MA 04-3-003
Ash	<= 0.35 %	<= 0.35 %	ASTM D-5667

Mechanical Properties	Metric	English	Comments
Penetration	<= 50	<= 50	at 25°C dmm, Modified Bitumen Property in waterproof membranes (150/200 bitumen + 12% polymer); ASTM D-5-86

Thermal Properties	Metric	English	Comments
Ring & Ball Softening Point	>= 130 °C	>= 266 °F	Modified Bitumen Property in waterproof membranes (150/200 bitumen + 12% polymer); ASTM D-36

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

Descriptive Properties	Value	Comments
Cold Flexibility, °C max	-30	
Hunterlab color, max	2	
Insolubles in toluene, 325 mesh, % max	0.1	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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