

Dynasol Calprene® 485 Thermoplastic Rubber SBS Oil extended

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

Material Notes:

Calprene 485 is a 67/33 Butadiene/Styrene thermoplastic copolymer, polymerized in solution. It has a radial structure and is extended with 45 phr of paraffinic oil. This product is presented in pellet form and has very adequate flow properties for compounding articles intended for injection. Applications: Footwear Sportswear Mechanical rubber goods Information provided by Dynasol

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Calprene-485-Thermoplastic-Rubber-SBS-Oil-extended.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------|
| Volatiles | <= 0.40 % | <= 0.40 % | ASTM D-5668 |
| Melt Flow | 9.0 g/10 min @Load 5.00 kg, Temperature 190 °C | 9.0 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 | 49 | 49 | ASTM D-2240 |
| Abrasion | 90 | 90 | mm ³ ; DIN 53516 |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|-------------------------|
| Styrene Content | 33 % | 33 % | on polymer; ASTM D-5775 |

| Descriptive Properties | Value | Comments |
|--|-------|-------------|
| Hunterlab color, max | 2 | |
| Insolubles in toluene, 325 mesh, % max | 0.1 | |
| Oil Content, % | 31 | ASTM D-5774 |

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