

Calprene® 405

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene 405 is a 67/33 Butadiene/Styrene thermoplastic copolymer, polymerized in solution. It has a radial structure. This product is presented in porous crumb form, which gives good oil absorption.

APPLICATIONS:

- Footwear
- Sportswear
- Mechanical rubber goods
- Bitumen modification

| General Information | | | |
|--|----------------------------|------|-------------|
| Features | Branched Polymer Structure | | |
| | Copolymer | | |
| | Porous | | |
| Uses | Asphalt Modification | | |
| | Footwear | | |
| | Machine/Mechanical Parts | | |
| | Sporting Goods | | |
| Forms | Crumb | | |
| Physical | Nominal Value | Unit | Test Method |
| Ash Content | < 0.35 | % | ASTM D5667 |
| Color - Hunterlab | 2.0 | | ASTM D1925 |
| Solution Viscosity - 5.23% in toluene ¹ | 14 | cSt | |
| Styrene Content | 33 | % | ASTM D5775 |
| Volatile Matter | 0.40 | % | ASTM D5668 |
| Insolubles - in toluene, 325 mesh ² | < 0.10 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 86 | | ASTM D2240 |
| NOTE | | | |
| 1. | MA 04-3-003 | | |
| 2. | MA 04-3-018 | | |

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