

Solprene® 411

DESCRIPTION

Solprene 411 is a 70/30 butadiene/styrene thermoplastic copolymer, polymerized in solution and has a radial structure.

This product is available in:

- S 411 Porous crumb
- S 411C Porous pellet
- S 411M Powder form dusted with calcium carbonate

TECHNICAL DATA

| <i>Polymer properties</i> | <i>Value</i> | <i>Test Method</i> |
|--|--------------|--------------------|
| Toluene solution viscosity @ 5.23% / 25°C, cSt | 28 | NM 300-11 |
| Volatile matter, % max. | 0.75 | ASTM D-5668 |
| Total styrene (on polymer), % | 30 | ASTM D-5775 |
| Insolubles, % max. | 0.1 | NM 300-15 |

| <i>Modified Bitumen Properties</i> | <i>Value</i> | <i>Test Method</i> |
|---|--------------|--------------------|
| In waterproof membranes (150/200 bitumen + 12% polymer) | | |
| Ring & Ball temperature, °C | >130 | ASTM D-36 |
| Penetration at 25 °C, dmm | <50 | ASTM D-5-88 |
| Viscosity at 180 °C, cP | 2200 | — |
| Cold flexibility, °C | <-30 | MA 04-5-009 |

APPLICATIONS

- » Adhesives
- » Asphalt/Bitumen
- » Compounds
- » Roofing

www.dynasolelastomers.com

January, 2014

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TECHNICAL DATA SHEET