

# Sofprene T® 542000A90

Styrene Butadiene Styrene Block Copolymer

SO.F.TER. SPA

Message:

Sofprene T® 542000A90 is a Styrene Butadiene Styrene Block Copolymer (SBS) material. It is available in Europe, Latin America, or North America for injection molding. Primary attribute of Sofprene T® 542000A90: REACH Compliant.

| General Information                       |                      |       |             |
|-------------------------------------------|----------------------|-------|-------------|
| Agency Ratings                            | EC 1907/2006 (REACH) |       |             |
| Appearance                                | Natural Color        |       |             |
| Processing Method                         | Injection Molding    |       |             |
| Physical                                  | Nominal Value        | Unit  | Test Method |
| Specific Gravity                          | 1.05                 | g/cm³ | ASTM D792   |
| Hardness                                  | Nominal Value        | Unit  | Test Method |
| Durometer Hardness (Shore A, 15 sec)      | 90                   |       | ASTM D2240  |
| Elastomers                                | Nominal Value        | Unit  | Test Method |
| Tensile Set                               | 26                   | %     | ASTM D412   |
| Tensile Stress <sup>1</sup> (100% Strain) | 4.80                 | MPa   | ASTM D412   |
| Tensile Strength <sup>2</sup>             | 6.80                 | MPa   | ASTM D412   |
| Tensile Elongation <sup>3</sup> (Break)   | 550                  | %     | ASTM D412   |
| Tear Strength <sup>4</sup>                | 44.0                 | kN/m  | ASTM D624   |
| Injection                                 | Nominal Value        | Unit  |             |
| Rear Temperature                          | 170                  | °C    |             |
| Middle Temperature                        | 180                  | °C    |             |
| Front Temperature                         | 185                  | °C    |             |
| Nozzle Temperature                        | 195                  | °C    |             |
| Mold Temperature                          | 20.0 to 40.0         | °C    |             |
| NOTE                                      |                      |       |             |
| 1.                                        | Die C                |       |             |
| 2.                                        | Die C                |       |             |
| 3.                                        | Die C                |       |             |
| 4.                                        | Die C                |       |             |

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