

# Laprene® 83FM9ZA35

Styrene Ethylene Butylene Styrene Block Copolymer

SO.F.TER. SPA

## Message:

Laprene® 83FM9ZA35 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) material. It is available in Europe, Latin America, or North America for injection molding. Primary attribute of Laprene® 83FM9ZA35: REACH Compliant.

| General Information                        |                      |                   |             |
|--------------------------------------------|----------------------|-------------------|-------------|
| Agency Ratings                             | EC 1907/2006 (REACH) |                   |             |
| Appearance                                 | Black                |                   |             |
| Processing Method                          | Injection Molding    |                   |             |
| Physical                                   | Nominal Value        | Unit              | Test Method |
| Specific Gravity                           | 1.01                 | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                   | Nominal Value        | Unit              | Test Method |
| Durometer Hardness (Shore A, 3 sec)        | 35                   |                   | ASTM D2240  |
| Elastomers                                 | Nominal Value        | Unit              | Test Method |
| Tensile Set                                | 2                    | %                 | ASTM D412   |
| Tensile Stress <sup>1</sup> (100% Strain)  | 0.600                | MPa               | ASTM D412   |
| Tensile Strength <sup>2</sup>              | 5.50                 | MPa               | ASTM D412   |
| Tensile Elongation <sup>3</sup> (Break)    | 820                  | %                 | ASTM D412   |
| Tear Strength <sup>4</sup>                 | 18.0                 | kN/m              | ASTM D624   |
| Compression Set <sup>5</sup> (70°C, 22 hr) | 36                   | %                 | ASTM D395B  |
| Injection                                  | Nominal Value        | Unit              |             |
| Rear Temperature                           | 170                  | °C                |             |
| Middle Temperature                         | 180                  | °C                |             |
| Front Temperature                          | 180                  | °C                |             |
| Nozzle Temperature                         | 190                  | °C                |             |
| Mold Temperature                           | 20.0 to 40.0         | °C                |             |
| NOTE                                       |                      |                   |             |
| 1.                                         | Die C                |                   |             |
| 2.                                         | Die C                |                   |             |
| 3.                                         | Die C                |                   |             |
| 4.                                         | Die C                |                   |             |
| 5.                                         | Type 1               |                   |             |

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