

# megol® DP2586 85

Styrene Ethylene Butylene Styrene Block Copolymer

API SpA

Message:

megol®DP2586 85 is a styrene-ethylene-butene-styrene block copolymer (SEBS) product. It can be processed by injection molding and is available in Europe.

| General Information                  |                              |                   |             |
|--------------------------------------|------------------------------|-------------------|-------------|
| Features                             | Good liquidity               |                   |             |
| Processing Method                    | Injection molding            |                   |             |
| Physical                             | Nominal Value                | Unit              | Test Method |
| Specific Gravity                     | 1.18                         | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                             | Nominal Value                | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 85                           |                   | ASTM D2240  |
| Mechanical                           | Nominal Value                | Unit              | Test Method |
| Tensile Strength                     |                              |                   | ASTM D638   |
| --                                   | 6.50                         | MPa               | ASTM D638   |
| 100% strain                          | 4.00                         | MPa               | ASTM D638   |
| 300% strain                          | 5.50                         | MPa               | ASTM D638   |
| Tensile Elongation (Break)           | 250                          | %                 | ASTM D638   |
| Elastomers                           | Nominal Value                | Unit              | Test Method |
| Tear Strength <sup>1</sup>           | 33.0                         | kN/m              | ASTM D624   |
| Compression Set                      |                              |                   | ASTM D395   |
| 23°C, 72 hr                          | 45                           | %                 | ASTM D395   |
| 70°C, 24 hr                          | 58                           | %                 | ASTM D395   |
| 100°C, 24 hr                         | 81                           | %                 | ASTM D395   |
| Additional Information               | Nominal Value                |                   |             |
| Ozone Resistance <sup>2</sup> (40°C) | Excellent                    |                   |             |
| Weather Resistance                   | Excellent                    |                   |             |
| Injection                            | Nominal Value                | Unit              |             |
| Drying Temperature                   | 75 - 80                      | °C                |             |
| Drying Time                          | 1.5 - 2.0                    | hr                |             |
| Rear Temperature                     | 170 - 190                    | °C                |             |
| Middle Temperature                   | 180 - 200                    | °C                |             |
| Front Temperature                    | 185 - 210                    | °C                |             |
| Nozzle Temperature                   | 190 - 220                    | °C                |             |
| Mold Temperature                     | 35 - 65                      | °C                |             |
| NOTE                                 |                              |                   |             |
| 1.                                   | With Notch                   |                   |             |
| 2.                                   | 72 hr, 200 ppcm, Tension=20% |                   |             |

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