

# megol® HT 50

Styrene Ethylene Butylene Styrene Block Copolymer

API SpA

Message:

megol® HT 50 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Chemical Resistant
- Eco-Friendly/Green
- Fast Molding Cycle
- Good Processability
- Good UV Resistance

| General Information                  |                           |       |             |
|--------------------------------------|---------------------------|-------|-------------|
| Features                             | Acid Resistant            |       |             |
|                                      | Base Resistant            |       |             |
|                                      | Detergent Resistant       |       |             |
|                                      | Fast Molding Cycle        |       |             |
|                                      | Good Chemical Resistance  |       |             |
|                                      | Good Processability       |       |             |
|                                      | Good UV Resistance        |       |             |
|                                      | Good Weather Resistance   |       |             |
|                                      | High Heat Resistance      |       |             |
|                                      | Low Temperature Resistant |       |             |
|                                      | Ozone Resistant           |       |             |
|                                      | Recyclable Material       |       |             |
|                                      |                           |       |             |
| Processing Method                    | Injection Molding         |       |             |
| Physical                             | Nominal Value             | Unit  | Test Method |
| Specific Gravity                     | 0.930                     | g/cm³ | ASTM D792   |
| Hardness                             | Nominal Value             | Unit  | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 50                        |       | ASTM D2240  |
| Mechanical                           | Nominal Value             | Unit  | Test Method |
| Tensile Strength                     |                           |       | ASTM D638   |
| --                                   | 8.00                      | MPa   |             |
| 100% Strain                          | 2.00                      | MPa   |             |
| 300% Strain                          | 5.70                      | MPa   |             |
| Tensile Elongation (Break)           | 480                       | %     | ASTM D638   |
| Elastomers                           | Nominal Value             | Unit  | Test Method |
| Tear Strength <sup>1</sup>           | 18.0                      | kN/m  | ASTM D624   |
| Compression Set                      |                           |       | ASTM D395   |
| 23°C, 72 hr                          | 10                        | %     |             |

|                                      |                              |   |
|--------------------------------------|------------------------------|---|
| 70°C, 24 hr                          | 22                           | % |
| 100°C, 24 hr                         | 44                           | % |
| Additional Information               | Nominal Value                |   |
| Ozone Resistance <sup>2</sup> (40°C) | Excellent                    |   |
| NOTE                                 |                              |   |
| 1.                                   | Without Notch                |   |
| 2.                                   | 72 hr, 200 ppcm, Tension=20% |   |

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#### Recommended distributors for this material

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