

## Technical Information



# MEGOL™ I A 80 P UG

## Overview

TPS-SEBS compound

| Physical                                 | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|------------------------------------------|-------------------------|-------------------------|-------------|
| Density                                  | 0.890 g/cm <sup>3</sup> | 0.890 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 30 g/10 min             | 30 g/10 min             | ASTM D1238  |
| Mechanical                               | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength <sup>1</sup> (Break)    | 2030 psi                | 14.0 MPa                | ASTM D638   |
| Tensile Elongation <sup>1</sup> (Break)  | 800 %                   | 800 %                   | ASTM D638   |
| Elastomers                               | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tear Strength <sup>2</sup> (Peak)        | 228 lbf/in              | 40.0 kN/m               | ASTM D624   |
| Hardness                                 | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Durometer Hardness (Shore A, 15 sec)     | 80                      | 80                      | ASTM D2240  |
| Additional Information                   | Nominal Value (English) | Nominal Value (SI)      |             |
| Shelf Life                               | 12 month                | 12 month                |             |
| Injection                                | Nominal Value (English) | Nominal Value (SI)      |             |
| Rear Temperature                         | 338 to 356 °F           | 170 to 180 °C           |             |
| Middle Temperature                       | 347 to 365 °F           | 175 to 185 °C           |             |
| Front Temperature                        | 365 to 383 °F           | 185 to 195 °C           |             |
| Nozzle Temperature                       | 383 to 401 °F           | 195 to 205 °C           |             |
| Mold Temperature                         | 86 to 113 °F            | 30 to 45 °C             |             |

## Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup> Type IV, 20 in/min (500 mm/min)

<sup>2</sup> Die C

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