

# Badaflex® TPE-S 40D 1038

Styrene Ethylene Butylene Styrene Block Copolymer

Bada AG

## Message:

Thermoplastic Elastomer as a standard injection moulding grade based on SEBS Copolymer

Overmoulding capability: Polypropylene (PP)

| General Information        |                   |                   |             |
|----------------------------|-------------------|-------------------|-------------|
| Processing Method          | Injection Molding |                   |             |
| Physical                   | Nominal Value     | Unit              | Test Method |
| Density                    | 1.18              | g/cm <sup>3</sup> | DIN 53479   |
| Hardness                   | Nominal Value     | Unit              | Test Method |
| Shore Hardness (Shore D)   | 40                |                   | DIN 53505   |
| Elastomers                 | Nominal Value     | Unit              | Test Method |
| Tensile Stress (Yield)     | 12.0              | MPa               | DIN 53504   |
| Tensile Elongation (Break) | 500               | %                 | DIN 53504   |
| Compression Set            |                   |                   | DIN 53515   |
| 23°C, 72 hr                | 16                | %                 |             |
| 70°C, 24 hr                | 41                | %                 |             |
| 100°C, 24 hr               | 70                | %                 |             |
| Additional Information     | Nominal Value     | Unit              | Test Method |
| Tear Strength              | 32.0              | kN/m              | DIN 53515   |
| Injection                  | Nominal Value     | Unit              |             |
| Processing (Melt) Temp     | 180 to 220        | °C                |             |
| Mold Temperature           | 30.0 to 50.0      | °C                |             |
| Injection Rate             | Fast              |                   |             |

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