

FLEXITEQ™ F65A100

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F65A100 is a formulation based on Santoprene™ rubber technology. It is formulated to incorporate soft-touch and good mouldability. FLEXITEQ™ F65A100 can be processed on conventional thermoplastic equipment for injection moulding. It is polyolefin based and completely recyclable.

| General Information | | | |
|--|--|--------------------|-------------|
| Features | Recyclable materials Good formability Soft | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.968 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 70 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 5.20 | MPa | ASTM D412 |
| Tensile Elongation ² (Break) | 330 | % | ASTM D412 |
| Tear Strength ³ (23°C) | 28.0 | kN/m | ASTM D624 |
| Compression Set ⁴ (23°C, 70 hr) | 35 | % | ASTM D395B |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 - 85.0 | °C | |
| Drying Time | 3.0 - 4.0 | hr | |
| Rear Temperature | 160 - 190 | °C | |
| Middle Temperature | 180 - 210 | °C | |
| Front Temperature | 190 - 210 | °C | |
| Processing (Melt) Temp | 190 - 210 | °C | |
| Mold Temperature | 10.0 - 80.0 | °C | |
| Injection Rate | Fast | | |
| Back Pressure | 0.300 - 0.700 | MPa | |
| Screw Speed | 100 - 200 | rpm | |
| Clamp Tonnage | 3.0 - 5.0 | kN/cm ² | |
| Injection instructions | | | |
| Injection Pressure: High | | | |
| NOTE | | | |
| 1. | C mold, 500 mm/min | | |
| 2. | Mouth die C, 500 mm/min | | |
| 3. | C mold, 500 mm/min | | |

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Recommended distributors for this material

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