

FLEXITEQ™ F55A110

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F55A110 is a formulation based on Santoprene™ rubber technology. It is formulated to incorporate soft-touch, high flow and good mouldability in a pre-coloured material. FLEXITEQ™ F55A110 can be processed on conventional thermoplastic equipment for injection moulding. It is polyolefin based and completely recyclable.

| General Information | | | |
|---|---------------------|--------|-------------|
| Features | Good Moldability | | |
| | High Flow | | |
| | Recyclable Material | | |
| | Soft | | |
| | | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.928 | g/cm³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 55 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 3.60 | MPa | ASTM D412 |
| Tensile Elongation ² (Break) | 250 | % | ASTM D412 |
| Tear Strength ³ (23°C) | 17.0 | kN/m | ASTM D624 |
| Compression Set ⁴ | | | ASTM D395B |
| 23°C, 70 hr | 25 | % | |
| 70°C, 22 hr | 34 | % | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 3.0 to 4.0 | hr | |
| Rear Temperature | 170 to 190 | °C | |
| Middle Temperature | 180 to 210 | °C | |
| Front Temperature | 190 to 210 | °C | |
| Processing (Melt) Temp | 190 to 210 | °C | |
| Mold Temperature | 10.0 to 60.0 | °C | |
| Injection Rate | Fast | | |
| Back Pressure | 0.300 to 0.700 | MPa | |
| Screw Speed | 100 to 200 | rpm | |
| Clamp Tonnage | 3.0 to 5.0 | kN/cm² | |
| NOTE | | | |
| 1. | Die C, 500 mm/min | | |
| 2. | Die C, 500 mm/min | | |

| | |
|----|-------------------|
| 3. | Die C, 500 mm/min |
| 4. | Type 2 |

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