

Tufel® II 94605

Silicone

Momentive Performance Materials Inc.

Message:

TUFEL® II Silicone Rubber Compounds 94405, 94505, 94605, and 94705 are 40-70 durometer low volatile fast-cure addition cured silicone elastomers for molding. They may be used by themselves or blended to intermediate durometers. Applications include fabricated molding that require short cycle time, deep section cures, and parts with low extractable requirements.

- Key Features and Benefits
- LV Bases Minimize Post Cure Times
- Totally Peroxide-Free Cure System
- Significant Reduction in Molding cycle Times
- Lower Molding Temperature Range (150-166C) (300-330F)
- Superior Mixed Shelf Life
- High Tear Strength
- Tight Surface Cure
- Non-blooming
- Translucency

| General Information | | | |
|------------------------------|--------------------|-------|-------------|
| Features | Fast Cure | | |
| | Fast Molding Cycle | | |
| | Good Tear Strength | | |
| | Low Extractables | | |
| | Non-Blooming | | |
| Appearance | Translucent | | |
| Processing Method | Injection Molding | | |
| Hardness | Nominal Value | | Test Method |
| Durometer Hardness (Shore A) | 57 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 1.70 | MPa | ASTM D412 |
| Tensile Strength | 8.60 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 750 | % | ASTM D412 |
| Tear Strength ¹ | 42.1 | kN/m | ASTM D624 |
| Uncured Properties | Nominal Value | Unit | |
| Density | 1.19 | g/cm³ | |
| Curing Time (177°C) | 0.17 | hr | |
| NOTE | | | |

1. Die B

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