

Manner Flexible PVC M1581

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: General purpose injection molding compound. Manner M1581 is UL recognized under QMFZ2 and QMFZ8. This product complies with the European Union Restriction on Hazardous Substances directive.

General

| | |
|-------------------|---|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Uses | • Consumer Applications • Electrical/Electronic Applications • Footwear |
| Agency Ratings | • UL 94 • UL QMFZ2 • UL QMFZ8 |
| RoHS Compliance | • RoHS Compliant |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Density / Specific Gravity | 1.43 to 1.47 | | ASTM D792 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain, 0.0300 in) | 1650 | psi | ASTM D638 |
| Tensile Strength (Yield, 0.0300 in) | 1850 | psi | ASTM D638 |
| Tensile Elongation (Break, 0.0300 in) | 160 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore C) | 78 to 84 | | ASTM D2240 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.06 in | | V-2 | |
| 0.12 in | | V-2 | |
| Oxygen Index | 27 | % | ASTM D2863 |

Notes

¹ Typical properties: these are not to be construed as specifications.

