

T-Blend® 4404N-SP

Thermoplastic Elastomer

TSRC Corporation

Message:

T-Blend® 4404N-SP is a Thermoplastic Elastomer (TPE) product. It can be processed by extrusion or injection molding and is available in Asia Pacific. Applications of T-Blend® 4404N-SP include handles, bags/liners, business/office goods, consumer goods and engineering/industrial parts. Characteristics include:

- Chemical Resistant
- Eco-Friendly/Green
- Fast Molding Cycle
- Food Contact Acceptable
- Good Adhesion

| General Information | | | |
|--|--------------------------------------|----------|-------------|
| Features | Fast Molding Cycle | | |
| | Food Contact Acceptable | | |
| | Good Adhesion | | |
| | Good Chemical Resistance | | |
| | Good Colorability | | |
| | Good Weather Resistance | | |
| | Non-Toxic | | |
| | Recyclable Material | | |
| Uses | Flexible Grips | | |
| | Household Goods | | |
| | Liners | | |
| | Overmolding | | |
| | Power/Other Tools | | |
| | Sporting Goods | | |
| | Stationary Supplies | | |
| | Toothbrush Handles | | |
| Toys | | | |
| Agency Ratings | FDA Food Contact, Unspecified Rating | | |
| Appearance | Natural Color | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.03 to 1.07 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (180°C/5.0 kg) | 23 to 53 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |

| Durometer Hardness (Shore A) | 42 to 46 | | ASTM D2240 |
|------------------------------|---------------|------|-------------|
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2.16 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 340 | % | ASTM D412 |
| Tear Strength | 15.7 | kN/m | ASTM D624 |
| Additional Information | Nominal Value | | |
| Substrate | PP/PE | | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 180 to 210 | °C | |

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