

# T-Blend® TPR-F78B

Styrene Ethylene Butylene Styrene Block Copolymer

TSRC Corporation

## Message:

T-Blend® TPR-F78B is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) product. It is available in Asia Pacific. Applications of T-Blend® TPR-F78B include film, medical/healthcare, packaging and sporting goods.

Characteristics include:

- Eco-Friendly/Green
- Good Flexibility
- Good Processability
- Good Weather Resistance
- Low Temperature Resistant

| General Information                      |                                 |                   |             |
|--|---------------------------------|-------------------|-------------|
| Features                                 | Good Flexibility                |                   |             |
|  | Good Processability             |                   |             |
|  | Good Sterilizability            |                   |             |
|  | Good Weather Resistance         |                   |             |
|  | Low Temperature Resistant       |                   |             |
|  | Moisture Permeability           |                   |             |
|  | Non-Toxic                       |                   |             |
|  | Recyclable Material             |                   |             |
|  | Soft                            |                   |             |
| Uses                                     | Film                            |                   |             |
|  | Food Packaging                  |                   |             |
|  | Medical/Healthcare Applications |                   |             |
|  | Sporting Goods                  |                   |             |
| Appearance                               | Black                           |                   |             |
| Physical                                 | Nominal Value                   | Unit              | Test Method |
| Specific Gravity                         | 1.11 to 1.15                    | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (180°C/5.0 kg) | 20                              | g/10 min          | ASTM D1238  |
| Hardness                                 | Nominal Value                   | Unit              | Test Method |
| Durometer Hardness (Shore A)             | 76 to 80                        |                   | ASTM D2240  |
| Elastomers                               | Nominal Value                   | Unit              | Test Method |
| Tensile Strength (Break)                 | 6.08                            | MPa               | ASTM D412   |
| Tensile Elongation (Break)               | 480                             | %                 | ASTM D412   |
| Tear Strength                            | 52.0                            | kN/m              | ASTM D624   |
| Injection                                | Nominal Value                   | Unit              |             |
| Processing (Melt) Temp                   | 160 to 220                      | °C                |             |

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