

# StarFlex P 7160-1000

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

StarFlex P 7160-1000 is an easy processing TPE designed for injection molding.

Features

- Soft Touch
- Rubbery Feel
- Excellent Colorability
- Good Weatherability

| General Information                                  |   |       |             |
|--|---|-------|-------------|
| Features   | Good Colorability<br>Good Processability<br>Good Weather Resistance<br>Soft |       |             |
| Appearance   | Natural Color   |       |             |
| Forms  | Pellets   |       |             |
| Processing Method                                    | Injection Molding   |       |             |
| Physical   | Nominal Value   | Unit  | Test Method |
| Specific Gravity                                     | 1.06  | g/cm³ | ASTM D792   |
| Hardness   | Nominal Value   | Unit  | Test Method |
| Durometer Hardness (Shore A, 10 sec)                 | 61  |       | ASTM D2240  |
| Elastomers   | Nominal Value   | Unit  | Test Method |
| Tensile Stress (300% Strain, 23°C)                   | 1.99  | MPa   | ASTM D412   |
| Tensile Strength (Yield, 23°C)                       | 5.21  | MPa   | ASTM D412   |
| Tensile Elongation (Break, 23°C)                     | 610   | %     | ASTM D412   |
| Tear Strength  | 23.6  | kN/m  | ASTM D624   |
| Fill Analysis  | Nominal Value   | Unit  | Test Method |
| Apparent Viscosity (210°C, 11000 sec <sup>-1</sup> ) | 6.80  | Pa·s  | ASTM D3835  |

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