

# StarFlex P 7390-9000

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

## Message:

StarFlex P 7390-9000 is an easy processing TPE designed for injection molding.

### Features

- Soft Touch
- Rubbery Feel
- Good Weatherability

| General Information                                  |                         |                   |             |
|--|-------------------------|-------------------|-------------|
| Features   | Good Processability     |                   |             |
|  | Good Weather Resistance |                   |             |
|  | Soft                    |                   |             |
| Appearance   | Black                   |                   |             |
| Forms  | Pellets                 |                   |             |
| Processing Method                                    | Injection Molding       |                   |             |
| Physical   | Nominal Value           | Unit              | Test Method |
| Specific Gravity                                     | 1.16                    | g/cm <sup>3</sup> | ASTM D792   |
| Hardness   | Nominal Value           | Unit              | Test Method |
| Durometer Hardness (Shore A, 10 sec)                 | 90                      |                   | ASTM D2240  |
| Elastomers   | Nominal Value           | Unit              | Test Method |
| Tensile Stress (300% Strain, 23°C)                   | 4.91                    | MPa               | ASTM D412   |
| Tensile Strength (Yield, 23°C)                       | 8.24                    | MPa               | ASTM D412   |
| Tensile Elongation (Break, 23°C)                     | 770                     | %                 | ASTM D412   |
| Tear Strength  | 38.5                    | kN/m              | ASTM D624   |
| Fill Analysis  | Nominal Value           | Unit              | Test Method |
| Apparent Viscosity (210°C, 11000 sec <sup>-1</sup> ) | 11.3                    | Pa · s            | ASTM D3835  |

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