

# Pibiflex® L6360 NAT

Thermoplastic Copolyester Elastomer

SO.F.TER. SPA

## Message:

TPC grade with high flexural modulus and high flowing properties

| General Information                       |                      |                   |                         |
|-------------------------------------------|----------------------|-------------------|-------------------------|
| Features                                  | General Purpose      |                   |                         |
|                                           | High Flow            |                   |                         |
|                                           | High Stiffness       |                   |                         |
| Uses                                      | General Purpose      |                   |                         |
| Agency Ratings                            | EC 1907/2006 (REACH) |                   |                         |
| Appearance                                | Natural Color        |                   |                         |
| Processing Method                         | Injection Molding    |                   |                         |
| Physical                                  | Nominal Value        | Unit              | Test Method             |
| Specific Gravity                          | 1.24                 | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 80                   | g/10 min          | ASTM D1238              |
| Water Absorption (23°C, 24 hr)            | 0.22                 | %                 | ASTM D570               |
| Hardness                                  | Nominal Value        | Unit              | Test Method             |
| Durometer Hardness (Shore D, 15 sec)      | 63                   |                   | ASTM D2240              |
| Mechanical                                | Nominal Value        | Unit              | Test Method             |
| Tensile Strength (Break)                  | 34.0                 | MPa               | ASTM D638               |
| Tensile Elongation (Break)                | 500                  | %                 | ASTM D638               |
| Flexural Modulus                          | 520                  | MPa               | ASTM D790               |
| Impact                                    | Nominal Value        | Unit              | Test Method             |
| Notched Izod Impact (-40°C)               | 80                   | J/m               | ASTM D256               |
| Thermal                                   | Nominal Value        | Unit              | Test Method             |
| Vicat Softening Temperature               | 203                  | °C                | ASTM D1525 <sup>1</sup> |
| Peak Melting Temperature                  | 219                  | °C                | ASTM D3417              |
| Electrical                                | Nominal Value        | Unit              | Test Method             |
| Volume Resistivity                        |                      |                   | ASTM D257               |
| 23°C                                      | 1.0E+13              | ohms · cm         |                         |
| 100°C                                     | 1.0E+12              | ohms · cm         |                         |
| Flammability                              | Nominal Value        | Unit              | Test Method             |
| Flame Rating (1.60 mm)                    | HB                   |                   | UL 94                   |
| Oxygen Index                              | 21                   | %                 | ASTM D2863              |
| Injection                                 | Nominal Value        | Unit              | Test Method             |
| Drying Temperature                        | 120                  | °C                |                         |

|                    |              |    |
|--------------------|--------------|----|
| Drying Time        | 3.0          | hr |
| Rear Temperature   | 220          | °C |
| Middle Temperature | 240          | °C |
| Front Temperature  | 250          | °C |
| Mold Temperature   | 50.0 to 70.0 | °C |

NOTE

1. Rate B (120°C/h), Loading 1 (10 N)

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