

# HAIPLEN EP40 T6

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer talcum filled 30%.  
Available: all colors, UV stabilized (L), heat stabilized (H), anti-static (W).

| General Information                                     |                           |                   |                          |
|---------------------------------------------------------|---------------------------|-------------------|--------------------------|
| Filler / Reinforcement                                  | Talc,30% Filler by Weight |                   |                          |
| Additive                                                | Antistatic                |                   |                          |
|                                                         | Heat Stabilizer           |                   |                          |
|                                                         | UV Stabilizer             |                   |                          |
| Features                                                | Antistatic                |                   |                          |
|                                                         | Copolymer                 |                   |                          |
|                                                         | Good UV Resistance        |                   |                          |
|                                                         | Heat Stabilized           |                   |                          |
| Appearance                                              | Colors Available          |                   |                          |
| Forms                                                   | Pellets                   |                   |                          |
| Processing Method                                       | Injection Molding         |                   |                          |
| Physical                                                | Nominal Value             | Unit              | Test Method              |
| Specific Gravity                                        | 1.14                      | g/cm <sup>3</sup> | ASTM D792, ISO 1183      |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)               | 8.0                       | g/10 min          | ASTM D1238, ISO 1133     |
| Molding Shrinkage                                       |                           |                   | ASTM D955                |
| Flow                                                    | 1.0                       | %                 |                          |
| Across Flow                                             | 1.0                       | %                 |                          |
| Water Absorption (23°C, 24 hr)                          | 0.050                     | %                 | ASTM D570, ISO 62        |
| Mechanical                                              | Nominal Value             | Unit              | Test Method              |
| Tensile Strength (Yield)                                | 30.0                      | MPa               | ASTM D638, ISO 527-2     |
| Tensile Elongation (Break)                              | 20                        | %                 | ASTM D638, ISO 527-2     |
| Flexural Modulus                                        | 2500                      | MPa               | ASTM D790, ISO 178       |
| Impact                                                  | Nominal Value             | Unit              | Test Method              |
| Notched Izod Impact (23°C)                              | 50                        | J/m               | ISO 180, ASTM D256       |
| Thermal                                                 | Nominal Value             | Unit              | Test Method              |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 60.0                      | °C                | ASTM D648, ISO 75-2/A    |
| Vicat Softening Temperature                             |                           |                   |                          |
| --                                                      | 152                       | °C                | ASTM D1525, ISO 306/A 21 |

|                                         |                  |      |                                      |
|-----------------------------------------|------------------|------|--------------------------------------|
| --                                      | 80.0             | °C   | ASTM D1525, ISO 306/B 3 <sup>2</sup> |
| Electrical                              | Nominal Value    | Unit | Test Method                          |
| Comparative Tracking Index (Solution A) | > 600            | V    | IEC 60112                            |
| Flammability                            | Nominal Value    | Unit | Test Method                          |
| Flame Rating (1.60 mm)                  | HB               |      | UL 94                                |
| Injection                               | Nominal Value    | Unit |                                      |
| Drying Temperature                      | 70.0 to 80.0     | °C   |                                      |
| Drying Time                             | 1.0              | hr   |                                      |
| Processing (Melt) Temp                  | 190 to 230       | °C   |                                      |
| Mold Temperature                        | 30.0 to 50.0     | °C   |                                      |
| Injection Rate                          | Moderate         |      |                                      |
| NOTE                                    |                  |      |                                      |
| 1.                                      | Loading 1 (10 N) |      |                                      |
| 2.                                      | Loading 2 (50 N) |      |                                      |

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