

Petrotene® PP A3 T10 UV PRTA011 PH361

MSP

Polypropylene Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Petrotene® PP A3 T10 UV PRTA011 PH361 MSP is a Polypropylene Homopolymer (PP Homopolymer) material filled with 10% talc. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Petrotene® PP A3 T10 UV PRTA011 PH361 MSP are:

Good Dimensional Stability

Homopolymer

| General Information | | | |
|--------------------------------|---|-------------------|-------------|
| Filler / Reinforcement | Talc,10% Filler by Weight | | |
| Features | Good Dimensional Stability Homopolymer | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.00 to 1.02 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 4.0 to 8.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 1.3 to 1.5 | % | ASTM D955 |
| Water Absorption (Equilibrium) | 0.050 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 31.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 26 | % | ASTM D638 |
| Flexural Modulus | 2000 | MPa | ASTM D790 |
| Flexural Strength | 45.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 22 | J/m | ASTM D256 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 2.0 | hr | |
| Processing (Melt) Temp | 200 to 230 | °C | |
| Mold Temperature | 50.0 to 60.0 | °C | |

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