

Advanced-PP 1101 S

PP

Advanced Petrochemical Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|---------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 24 | g/10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 1500 | MPa | ISO 527 |
| Yield stress | 35 | MPa | ISO 527 |
| Yield strain | 8 | % | ISO 527 |
| Strain at break | >50 | % | ISO 527 |
| Charpy impact strength, +23°C | 110 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 2.5 | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 78 | MPa | ISO 2039-1 |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 163 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 0.45 MPa | 85 | °C | ISO 75-1/-2 |
| Vicat softening temperature, A | 154 | °C | ISO 306 |
| Other properties | | | |
| Density | 910 | kg/m ³ | ISO 1183 |

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather

Features

Gas Fading Resistance, Homopolymer

Certifications

Food contact, Food approval FDA 21 CFR

Regional Availability

Near East/Africa