

General Information

TAFMER™ PN-0040, propylene based polymer, is a specialty olefinic resin designed to improve transparency, flexibility, softness and impact resistance of Polypropylene (PP).

Physical Attributes: Low specific gravity
High melting point
Softness and elasticity
Excellent transparency due to nano-size controlled crystals
Good impact resistance
Anti-stress whitening

Chemical Attributes: PP miscibility

FDA/EU Directive Conformity: Conforms to FDA and EU Directive
Please contact Mitsui sales representatives for more information

Others: Packed in pellet form
Gel content controlled

| Physical Properties | UNIT | Value | Method |
|---------------------------|---------|-------|--|
| MFR(190°C) | g/10min | 1.9 | ASTM D1238 |
| MFR(230°C) | g/10min | 4.0 | ASTM D1238 |
| Transmittance | % | 98 | 2mmt Sheet in Cyclohexanol, C Light |
| Mechanical Properties | Unit | Value | Method |
| Yielding Strength | MPa | - | ASTM D638 |
| Tensile Strength at Break | MPa | 22 | ASTM D638 |
| Elongation at Break | % | 950 | ASTM D638 |
| Young's Modulus | MPa | 37 | ASTM D638 |
| Surface Hardness | Shore A | 86 | ASTM D2240 |
| Thermal Properties | Unit | Value | Method |
| Melting Point | °C | 160 | ASTM D2117 |
| Brittleness Temperature | °C | -28 | ASTM D746 |

Disclaimer:

Information contained herein is based on the material, information and data available as of the end of December 2011. No warranty is given for any data or evaluation results contained herein. It is also assumed that the product is to be used under normal conditions and with due precautions. If the product is to be used in any special manner, the user is requested safety measures to meet such new use or application.