Technical Data Sheet

# *Pro-fax* RP913J

Polypropylene, Random Copolymer

## Product Description

*Pro-fax* RP913J clarified random copolymer polypropylene is available in pellet form. This resin is typically used in sheet extrusion/thermoforming and other rigid packaging applications.

| | |
|---|---|
| **Application** | Clear Containers |
| **Market** | Rigid Packaging |
| **Processing Method** | Thermoforming |
| **Attribute** | High Clarity; High Stiffness |

| Typical Properties | Nominal Value | English Units | Nominal Value | SI Units | Test Method |
|---|---|---|---|---|---|
| **Physical** | | | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 3.5 | g/10 min | 3.5 | g/10 min | ASTM D1238 |
| Density, (23 °C) | 0.90 | g/cm³ | 0.90 | g/cm³ | ASTM D792 |
| **Mechanical** | | | | | |
| Flexural Modulus | | | | | |
| (0.05 in/min, 1% Secant, Procedure A) | 230000 | psi | | | ASTM D790 |
| (1.3 mm/min, 1% Secant, Procedure A) | | | 1590 | MPa | ASTM D790 |
| Tensile Strength at Yield | | | | | |
| (2 in/min) | 5300 | psi | | | ASTM D638 |
| (50 mm/min) | | | 37 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 10 | % | 10 | % | ASTM D638 |
| **Impact** | | | | | |
| Notched Izod Impact Strength | | | | | |
| (73 °F, Method A) | 1.1 | ft-lb/in | | | ASTM D256 |
| (23 °C, Method A) | | | 59 | J/m | ASTM D256 |
| **Thermal** | | | | | |
| Deflection Temperature Under Load | | | | | |
| (66 psi, Unannealed) | 228 | °F | | | ASTM D648 |
| (0.45 MPa, Unannealed) | | | 109 | °C | ASTM D648 |
| **Optical** | | | | | |
| Haze, (45 mil) | 23 | % | 23 | % | ASTM D1003 |

## Notes

These are typical property values not to be construed as specification limits.