

YUNGSOX® PP 2020S

Polypropylene Homopolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 2020S is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 2020S are:

- Clarity
- Fast Molding Cycle
- Good Aesthetics
- Good Processability
- Homopolymer
- Typical applications include:
 - Adhesives/Tapes
 - Film
 - Food Contact Applications
 - Packaging

| General Information | | | |
|---|--------------------------|-------------------|-----------------|
| Features | Fast Molding Cycle | | |
| | Good Processability | | |
| | Good Surface Finish | | |
| | High Clarity | | |
| | Homopolymer | | |
| Uses | Bi-axially Oriented Film | | |
| | Food Packaging | | |
| | Tape | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 3.0 | g/10 min | ISO 1133 |
| Molding Shrinkage | 1.3 to 1.7 | % | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 105 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 34.3 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 600 | % | ISO 527-2 |
| Flexural Modulus | 1230 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 49 | J/m | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |

| Heat Deflection Temperature (1.8 MPa, Unannealed) | 113 | °C | ISO 75-2/A |
|---|---------------|------|-----------------|
| Vicat Softening Temperature | 150 | °C | ISO 306 |
| Melting Temperature | 160 | °C | DSC |
| Optical | Nominal Value | Unit | Test Method |
| Haze (30.0 μm) | < 0.11 | % | Internal Method |

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