

SB-530

PP RANDOM COPOLYMER

General Information

Description

SB-530 is random copolymer polypropylene for extrusion application with good transparency and good gloss for transparent sheet. This grade can be processed by sheet extrusion. SB-530 offers high clarity, flexible stiffness, high heat distortion temperature and chemical resistance. This grade is suitable for food contact.

Applications

- ◆ Transparent packaging sheet
- ◆ Transparent stationary sheet

Physical Properties¹

| Physical | Test Method | Nominal Value | |
|--|-------------|---------------|-------------------------------|
| Melt Flow Index | ASTM D1238 | 4.0 | g/10min |
| Density | ASTM D792 | 0.90 | g/cm ³ |
| Mechanical | | | |
| Tensile Stress (Yield) | ASTM D638 | 300 | kgf/cm ² 29 MPa |
| Tensile Strain (Break) | ASTM D638 | >400 | % >400 % |
| Flexural Modulus | ASTM D790 | 13,000 | kgf/cm ² 1,270 MPa |
| Impact | | | |
| Notched Izod Impact Strength (23℃) | ASTM D256 | 4.5 | kgf·cm/cm 44 J/m |
| Thermal | | | |
| Heat Deflection Temperature(4.6kgf/cm ²) | ASTM D648 | 100 | ℃ |
| Additional Property | | | |
| Haze | ASTM D1004 | 20 | % |

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

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Physical Properties¹

| Physical | Test Method | Nominal Value | | | |
|---|-------------|---------------|---------------------|------|-----|
| Melt Flow Index | ISO 1183 | 4.0 | g/10min | | |
| Density | ISO 1183 | 0.90 | g/cm ³ | | |
| Mechanical | | | | | |
| Tensile Stress (Yield) | ISO 527-1 | 280 | kgf/cm ² | 27 | MPa |
| Tensile Strain (Break) | ISO 527-1 | >300 | % | >300 | % |
| Flexural Modulus | ISO 178 | 10,000 | kgf/cm ² | 980 | MPa |
| Impact | | | | | |
| Notched Izod Impact Strength (23℃) | ISO 180 | 3.0 | kgf-cm/cm | 29 | J/m |
| Thermal | | | | | |
| Heat Deflection Temperature (4.6kgf/cm ²) | ISO 75-1 | 85 | ℃ | | |
| Additional Property | | | | | |
| Haze | ASTMD1004 | 20 | % | | |

NOTE

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