

Braskem PP RP 340S

Polypropylene Random Copolymer

Braskem

Message:

RP 340S is a very high fluidity Random Copolymer, suitable for fast cycle thin wall injection molding. It exhibits excellent processability and transparency, good balance of rigidity/impact and very low odor and flavor transfer.

Applications:

Packaging of foods sensitive to changes in odor and taste, packaging for cosmetics, housewares with excellent transparency. RP 340S can be used to produce bottles by two step injection stretch-blow molding.

Processing:

Injection Molding

| General Information | | | |
|--|------------------------|----------|----------------------|
| Features | Good Processability | | |
| | High Flow | | |
| | High Impact Resistance | | |
| | High Rigidity | | |
| | Low to No Odor | | |
| | Random Copolymer | | |
| Uses | Cosmetic Packaging | | |
| | Household Goods | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Appearance | Clear/Transparent | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.902 | g/cm³ | ASTM D792, ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 45 | g/10 min | ASTM D1238, ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness | | | |
| R-Scale, Injection Molded | 85 | | ASTM D785 |
| R-Scale | 85 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, Injection Molded) | 31.0 | MPa | ASTM D638, ISO 527-2 |
| Tensile Elongation | | | |
| Yield, Injection Molded | 13 | % | ASTM D638 |
| Yield, Injection Molded | 12 | % | ISO 527-2 |
| Flexural Modulus | | | |
| 1% Secant : Injection Molded | 1050 | MPa | ASTM D790 |
| Injection Molded | 1250 | MPa | ISO 178 |

| Impact | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Notched Izod Impact | | | |
| 23°C, Injection Molded | 40 | J/m | ASTM D256 |
| 23°C, Injection Molded | 3.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | |
| 0.45 MPa, Unannealed, Injection Molded | 81.0 | °C | ASTM D648 |
| 0.45 MPa, Unannealed | 78.0 | °C | ISO 75-2/B |
| Optical | Nominal Value | Unit | Test Method |
| Haze (1000 μm) | 18 | % | ASTM D1003 |

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