# Braskem PP R352-08R

Polypropylene Random Copolymer

Braskem Europe GmbH

## Message:

Braskem R352-08R Polypropylene Resin is a controlled rheology modified Random Copolymer Polypropylene developed for the manufacturing of cast film for quality packaging applications. Braskem R352-08R Polypropylene Resin does not contain slip and antiblock additives.
Applications for Braskem R352-08R Polypropylene Resin:
Food packaging
High quality stationery
Lamination film
Textile packaging
Sealing layer in multilayer structure
Regulatory Information
Braskem R352-08R Polypropylene Resin should comply with:
EU, No 10/2011
U.S. FDA 21 CFR 177.1520(c)3.1a
Consult the regulations for complete details.

| General Information | | | |
|---|---|---|---|
| Agency Ratings | EU No 10/2011<br>FDA 21 CFR 177.1520(c) 3.1a | | |
| Forms | Pellets | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.900 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ISO 1133 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Yield, Injection Molded) | 22.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, Injection Molded) | 14 | % | ISO 527-2 |
| Flexural Modulus (Injection Molded) | 700 | MPa | ISO 178 |
| **Films** | **Nominal Value** | **Unit** | **Test Method** |
| Film Thickness - Tested | 50 | µm | |
| Tensile Modulus | | | ISO 527-3 |
| 1% Secant, MD : 50 µm, Cast Film | 410 | MPa | |
| 1% Secant, TD : 50 µm, Cast Film | 420 | MPa | |
| Tensile Stress | | | ISO 527-3 |
| MD : Break, 50 µm, Cast Film | 47.0 | MPa | |
| TD : Break, 50 µm, Cast Film | 29.0 | MPa | |
| Tensile Elongation | | | ISO 527-3 |
| MD : Break, 50 µm, Cast Film | 450 | % | |
| TD : Break, 50 µm, Cast Film | 590 | % | |
| Dart Drop Impact (50 µm, Cast Film) | 650 | g | ISO 7765-1 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |

| | | | |
|---|---|---|---|
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| 0°C, Injection Molded | 3.0 | $kJ/m^2$ | |
| 23°C, Injection Molded | 8.5 | $kJ/m^2$ | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature [1] (0.45 MPa, Unannealed) | 75.0 | °C | ISO 75-2/B |
| Vicat Softening Temperature [2] | 127 | °C | ISO 306/A |
| **Optical** | **Nominal Value** | **Unit** | **Test Method** |
| Gloss (45°, 50.0 µm, Cast Film) | 85 | | ASTM D2457 |
| Haze (50.0 µm, Cast Film) | 1.4 | % | ASTM D1003 |
| **NOTE** | | | |
| 1. | Injection Molded | | |
| 2. | Injection Molded | | |



## Recommended distributors for this material

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