

Data Sheet Advanced-PP 1100R

Description

Advanced-PP 1100R is a propylene homopolymer grade characterized by good flowability, good gloss, medium molecular weight distribution and medium crystallinity providing excellent and consistent process and product behaviour. Advanced-PP 1100R is particularly suitable for and Injection Molding applications requiring good organoleptic properties thus making it suitable for thin wall containers, caps & closures.

Applications

Household articles, toys, thin wall molded containers for rigid packaging, caps & closures, compounding, etc.

Regulatory Information:

The Grade Advanced-PP 1100R and additives incorporated comply with United States FDA Regulation 21CFR 177.1520 Olefin Polymers and European Regulation (EU) 10/2011 (and its amendments). Specific information is available upon request.

Properties (Typical values)

| Properties | Unit | Test method | Value |
|---|---------------------|-------------|-------|
| Melt Flow Rate | | | |
| Melt flow rate (230°C / 2.16 KG) | g / 10 min | ISO 1133 | 24.0 |
| Mechanical Properties | | | |
| Tensile modulus of elasticity (v= 1 mm/min) | MPa | ISO 527-2 | 1500 |
| Tensile yield at stress (v= 50 mm/min) | MPa | ISO 527-2 | 35 |
| Tensile yield at strain (v= 50 mm/min) | % | ISO 527-2 | 8 |
| Tensile strain at break (v= 50 mm/min) | % | ISO 527-2 | >50 |
| Charpy impact strength unnotched (+23°C) | kJ/m ² | ISO 179/1eU | 110 |
| Charpy impact strength notched (+23°C) | kJ/m ² | ISO 179/1eA | 2.5 |
| Ball indentation hardness (H 358/30) | MPa | ISO 2039-1 | 78 |
| Thermal Properties | | | |
| Melting point, DSC | °C | ISO 3146 | 163 |
| Heat deflection temperature ----- HDT/ B (0.45 Mpa) | °C | ISO 75-2 | 85 |
| Vicat softening temperature ----- VST/A50 (10 N) | °C | ISO 306 | 154 |
| Other Properties | | | |
| Density | g / cm ³ | ISO 1183 | 0.91 |

Values given here are typical and should not be interpreted as specification. In a view of many factors that may affect processing and application, these data do not relieve the receiver to this information from the responsibility of carry out their own test and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for specific purpose of the product made with or on the basis of the information in this publication.

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