

2100N

Polypropylene (PP)

Description:

2100N is a Polypropylene Block Copolymer resin for injection molding process with medium flow and high stiffness. It is suitable for production of general parts, like household, electrical parts, auto-parts and etc. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

| Physical Properties: | Method | Unit | Value |
|--|------------|--------------------|-------|
| Melt Flow Index (2.16 kg/230°C) | ASTM D1238 | g/10min. | 11 |
| Tensile Strength at Yield | ASTM D638 | N/mm ² | 30 |
| Elongation at Yield | ASTM D638 | % | 21 |
| Charpy Notched Impact Strength (at -20°C) | DIN 53453 | mJ/mm ² | 4.2 |
| Flexural Modulus (1% SECANT) | ASTM D790 | MPa | 1350 |
| Rockwell Hardness | ASTM D785 | R-Scale | 100 |
| Heat Distortion Temperature (Load 0.45 N/mm ²) | ASTM D 648 | °C | 100 |

Processing Technique

Processing Temperature : 190 – 240 °C

However, the actual processing conditions depend on mold design, power of machine, machine equipment and other environments.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.