

1103H

Polypropylene (PP)

Description:

POLIMAXX®1103H is a Polypropylene Homo-polymer with the characteristic of balance stiffness, impact strength in low temperature and low operation temperature. It is suitable for various applications like blow molding, sheet extrusion. It also meets the F.D.A. requirement in the code of federal regulations in 21CFR 177.1520 for food contact.

Typical applications;

Blow Molding : Bottle

Sheet Extrusion : Corrugate sheet, Thermoforming cup, Sheet for stationary

| Physical Properties: | Method | Unit | Value |
|--|------------|-------------------|-------|
| Melt Flow Index (2.16 kg/230°C) | ASTM D1238 | g/10min. | 2 |
| Tensile Strength at Yield | ASTM D638 | N/mm ² | 33 |
| Elongation at Yield | ASTM D638 | % | 10 |
| Izod Notched Impact Strength (at 23°C) | ASTM D256 | J/m | 35 |
| Flexural Modulus (1% SECANT) | ASTM D790 | MPa | 1300 |
| 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, 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.