

## Ineos N01N-00 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

Grade N01N-00 is a high stiffness, impact copolymer specially designed for freezer-to-microwave performance. This extrusion grade resin exhibits an excellent balance of impact and stiffness properties, and combines high heat resistance with good gloss and thermoformability. This grade meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications: Food service trays, containers Rigid packaging Benefits: Very broad temperature performance range High stiffness Low temperature impact Thermoformability

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-N01N-00-Polypropylene-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_ineos-N01N-00-Polypropylene-Impact-Copolymer.php)

| Physical Properties | Metric  | English   | Comments   |
|---------------------|---|---|------------|
| Melt Flow           | 1.9 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 Å°C | 1.9 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 Å°F | ASTM D1238 |

| Mechanical Properties   | Metric                                  | English                                     | Comments                          |
|-------------------------|---|---|-----------------------------------|
| Hardness, Rockwell R    | 97                                      | 97  | ASTM D785                         |
| Tensile Strength, Yield | 33.1 MPa                                | 4800 psi                                    | ASTM D638                         |
| Elongation at Break     | >= 25 %                                 | >= 25 %                                     | ASTM D638                         |
| Flexural Modulus        | 1.83 GPa                                | 265 ksi                                     | ASTM D790B                        |
| Izod Impact, Notched    | 0.374 J/cm<br>@Temperature -20.0<br>Å°C | 0.700 ft-lb/in<br>@Temperature -4.00<br>Å°F | 1/8" (3mm) notched bar; ASTM D256 |
|                         | NB<br>@Temperature 23.0<br>Å°C          | NB<br>@Temperature 73.4 Å°F                 | 1/8" (3mm) notched bar; ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 118 Å°C | 245 Å°F | ASTM D648 |

| Descriptive Properties | Value       | Comments                        |
|------------------------|-------------|---------------------------------|
| Process                | Extrusion   |                                 |
| Region                 | Mexico      | Bamberger Polymers Distribution |
|                        | US & Canada | Bamberger Polymers Distribution |

## **Contact Songhan Plastic Technology Co.,Ltd.**

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