

# N00G-01 Polypropylene Impact Copolymer

N00G-01 is a fractional melt flow impact copolymer designed for blow molding, pipe, tubing and sheet extrusion that offers a good balance between stiffness and impact. For applications requiring medium term heat aging performance, we recommend N00M-00.

## Typical Properties<sup>1</sup>

|                                | Values        |                        | ASTM Method |
|--------------------------------|---------------|------------------------|-------------|
|                                | English Units | SI Units               |             |
| <b>Resin</b>                   |               |                        |             |
| Density                        | —             | 0.902 g/cc             | D792        |
| Melt Flow Rate, 230°C/2.16 kg  | —             | 0.45 g/10 min          | D1238       |
| <b>Injection Molded Sample</b> |               |                        |             |
| Tensile Strength (2 in/min)    |               |                        | D638        |
| @ Yield                        | 3,500 psi     | MPa                    |             |
| @ Break                        | 4,900 psi     | MPa                    |             |
| Elongation (2 in/min)          |               |                        | D638        |
| @ Yield                        | 10 %          | 10 %                   |             |
| @ Break                        | 900 %         | 900 %                  |             |
| Flexural Modulus               |               |                        | D790A       |
| 1% Secant                      | 165,000 psi   | 1,130 MPa              |             |
| Notched Izod Impact Strength   |               |                        | D256        |
| @ 23 C                         | No Break      | No Break               |             |
| @ - 20 C                       | 2.6 ft-lbf/in | 13.7 kJ/m <sup>2</sup> |             |
| Hardness                       |               |                        | D785        |
| Rockwell R                     | 82            | 82                     |             |
| Vicat Softening Point          | 307 F         | 153 C                  | D1525       |
| Brittleness Temperature        | <- 50 C       | <- 50 C                | ISO 812/A   |
| Heat Deflection Temperature    |               |                        | D648        |
| @ 66 psi (455 kPa)             | 198 F         | 92 C                   |             |
| @ 264 psi (1,820 kPa)          | 135 F         | 57 C                   |             |
| Gloss Units, 60° angle         | —             | 56 %                   | D2457       |
| Instrumented Impact            |               |                        | D3763       |
| @ 23 C                         | Ductile       | Ductile                |             |
| @-20 C                         | Ductile       | Ductile                |             |

<sup>1</sup> Typical properties will vary and are not to be used for specifications.