

**PRODUCT DATA SHEET****PP 12910****Homopolymer Polypropylene****Recommended Applications**

General purpose, household goods, toys, business equipment, and food containers.

**Description**

PP 12910 is a homopolymer polypropylene resin suitable for general purpose products produced by injection molding processing. This resin features great processability and emits low to no odor.

| Property                             |                       | Value        | Unit              | Test Method |
|--------------------------------------|-----------------------|--------------|-------------------|-------------|
| Melt Index (condition 190°C/2.16 kg) |                       | 12.0         | g/10min           | D 1238      |
| Density                              |                       | .910         | g/cm <sup>3</sup> | D 1505      |
| Molding Shrinkage                    |                       | 0.012        | in/in             | D 955       |
| Tensile Strength at Yield            |                       | 4550         | psi               | D 638       |
| Tensile Strength at Break            |                       | 2840         | psi               | D 638       |
| Tensile Elongation                   |                       | 650          | %                 | D 638       |
| Flexural Modulus                     |                       | 206000       | psi               | D 790       |
| Notched Izod Impact                  | (32 °F)<br>(73 °F)    | 0.37<br>0.55 | ft-lb/in          | D 256       |
| Rockwell Hardness (R Scale)          |                       | 90           |                   | D 785       |
| Deflection Temperature Under Load    | (66 psi)<br>(264 psi) | 230<br>149   | °F                | D 648       |
| Brittleness Temperature              |                       | 4.0          | °F                | D 746       |
| Vicat Softening Temperature          |                       | 311          | °F                | D 1525      |
| Melting Temperature                  |                       | 325          | °F                | D 2117      |
| Gloss                                |                       | 51           |                   | D 2457      |
| Haze                                 |                       | 47           | %                 | D 1003      |

**FDA Status**

This resin complies with FDA 21 CFR 177.1520. For more information contact Product Regulatory Compliance.

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility.