



Prime Engineering and Commodity Thermoplastic Resins

CP 1011 Copolymer Polypropylene

Description: CP 1011 is a high impact copolymer polypropylene designed for such applications as Automotive Compounds and injection molding applications.

Applications: Automotive / Lawn and Garden products / Appliances

Features: Excellent impact to stiffness balance
Easy mold flow
FDA 21 CFR 177.1520

| Physical Properties | Typical Values | Test Method(s) |
|---|-----------------------|-----------------------|
| Melt Flow Rate – g/10 min (230°C/2.16kg) | 10.0 | D-1238 |
| Density – g/cm ³ | 0.9 | D-1505 |
| Tensile Strength @ Yield - psi | 2,950 | D-638 |
| Elongation at Yield - % | 6.0 | D-638 |
| Flexural Modulus – psi | 140,000 | D-790 |
| Rockwell Hardness – R Scale | 105 | D-785 |
| Izod Impact Strength @ 73°F, ft-lbs/in | 11.0 | D-256 |
| Izod Impact Strength @ -18°C, ft-lbs/in | 1.9 | D-256 |
| Izod Impact Strength @ -30°C, ft-lbs/in | 1.7 | D-256 |
| HDTUL – 66 psi | 86°C | D-648 |

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The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

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