



Prime Engineering and Commodity Thermoplastic Resins

## CP 1211 Copolymer Polypropylene

**Description:** CP 1211 is a nucleated impact copolymer polypropylene with an excellent balance of stiffness and impact resistance for injection molding applications and compounding.

**Applications:** Automotive / Lawn and Garden products / Appliances

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

<b>Physical Properties</b>	<b>Typical Values</b>	<b>Test Method(s)</b>
Melt Flow Rate – g/10 min (230°C/2.16kg)	12.0	D-1238
Tensile Modulus – psi	191,000	D-638
Tensile Strength @ Yield - psi	3,430	D-638
Elongation at Yield - %	6.0	D-638
Flexural Modulus – psi	160,000	D-790
HDTUL – 66 psi	198°F / 92.3°C	D-648
Izod Impact Strength – ft-lbs/in	No Break	
23°C	11.3	D-256
-20°C	1.9	D-256
Izod Impact Strength - 0°C, ft-lbs/in	1.9	D-256
Rockwell Hardness – R	72	D-785

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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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