



VINPOL™ PH1020CFF Series

20% Calcium Filled Homopolymer Polypropylene Compound

Melt Flow: 10

20% Calcium Filled

VINPOL PH1020CFF is a 20% calcium filled homopolymer polypropylene compound. This product is designed for lawn and garden, appliance, furniture, and general purpose applications requiring good impact, good stiffness and good flow. It is available in a **natural color (PH1020CFF)**, **black (PH1020CFFY)**, custom colors, and UV stabilized (**PH1020CFFU**) versions.

| Resin Property | Typical Value | Units | Test Method |
|---|---------------|-------------------|-------------|
| Melt Flow Rate | 10 | g/10 min | ASTM D-1238 |
| Density | 1.04 | g/cm ³ | ASTM D-792 |
| Tensile Strength | 4,400 | psi | ASTM D-638 |
| Elongation | 80 | % | ASTM D-638 |
| Flexural Modulus, Tangent | 300,000 | psi | ASTM D-790 |
| Flexural Strength | 7,800 | psi | ASTM D-790 |
| Notched Izod Impact Strength, 73°F (23°C) | 0.8 | ft-lb/in | ASTM D-256 |
| Gardner Impact | 110 | in-lb | ASTM D-5420 |
| Heat Deflection Temperature @ 66 psi | 230 | °F | ASTM D-648 |
| Heat Deflection Temperature @ 264 psi | 144 | °F | ASTM D-648 |
| Rockwell Hardness | 98 | R-Scale | ASTM D-785 |
| Flammability | HB | - | UL-94 |
| Mold Shrinkage | 0.012-0.016 | in/in | ASTM D-955 |

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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