

## Washington Penn Medium Impact Copolymer 40% Calcium Carbonate Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO<sub>3</sub>) Filler

### Material Notes:

Calcium carbonate-filled polypropylene compounds have been tailored specifically to meet the requirements of each of the major automobile producers. Grades are available to meet FDA food and drug packaging requirements. These products have excellent mold detail and surface reproduction with fast set-up times. They are also available in an array of colors. Information provided by Washington Penn Plastic Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Washington-Penn-Medium-Impact-Copolymer-40-Calcium-Carbonate-Filled.php](http://www.lookpolymers.com/polymer_Washington-Penn-Medium-Impact-Copolymer-40-Calcium-Carbonate-Filled.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.23 g/cc | 0.0444 lb/in <sup>3</sup> | ASTM D792 |
| Filler Content      | 40 %      | 40 %                      |           |

| Mechanical Properties   | Metric                | English               | Comments             |
|-------------------------|-----------------------|-----------------------|----------------------|
| Tensile Strength, Yield | 16.2 MPa              | 2350 psi              | ASTM D638            |
| Elongation at Break     | 400 %                 | 400 %                 | ASTM D638            |
| Elongation at Yield     | 6.0 %                 | 6.0 %                 | ASTM D638            |
| Flexural Modulus        | 1.79 GPa              | 260 ksi               | 1% Secant; ASTM D790 |
|                         | 1.90 GPa              | 275 ksi               | Tangent; ASTM D790   |
| Izod Impact, Notched    | 1.33 J/cm             | 2.50 ft-lb/in         | ASTM D256            |
| Gardner Impact          | 19.4 J                | 14.3 ft-lb            | ASTM D5420           |
|                         | @Temperature -30.0 °C | @Temperature -22.0 °F |                      |
|                         | 19.9 J                | 14.7 ft-lb            | ASTM D5420           |
|                         | @Temperature 23.0 °C  | @Temperature 73.4 °F  |                      |

| Thermal Properties                          | Metric  | English | Comments  |
|---------------------------------------------|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 93.3 °C | 200 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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