



HCPP Block Copolymer for Injection

## YUHWA POLYPRO CB5230

Features  
and Uses

|                    |  |
|--------------------|--|
| <b>Application</b> | HCPP Block Copolymer for Injection   |
| <b>Features</b>    | High Stiffness, Impact Resistance, High Gloss, High Flowability, Scratch Resistance, Heat Resistance, All Color 94HB |
| <b>Uses</b>        | Automobile Parts, Electric and Electronic Product Parts, Home Appliance Housings, PP Compound Base Resin             |

Properties

| Items  | Specification | Unit                | Test Method |
|--|---------------|---------------------|-------------|
| <b>Melt Index</b>                              | 30            | g/10min.            | ASTM D1238  |
| <b>Density</b>                                 | 0.91          | g/cm <sup>3</sup>   | ASTM D1505  |
| <b>Mold Shrinkage</b>                          | 1.4~1.8       | %                   | KPIC Method |
| <b>Tensile Strength at Yield</b>               | 330           | kgf/cm <sup>2</sup> | ASTM D638   |
| <b>Elongation at Break</b>                     | >200          | %                   | ASTM D638   |
| <b>Flexural Modulus</b>                        | 18,000        | kgf/cm <sup>2</sup> | ASTM D790   |
| <b>Hardness (Rockwell)</b>                     | 102           | R Scale             | ASTM D785   |
| <b>Impact Strength (Izod with Notch) 25°C</b>  | 7             | kgf cm/cm           | ASTM D256   |
| <b>Impact Strength (Izod with Notch) -20°C</b> | 2.5           | kgf cm/cm           | ASTM D256   |
| <b>Melting Point</b>                           | 169           | °C                  | ASTM D3418  |
| <b>Softening Point (Vicat)</b>                 | 153           | °C                  | ASTM D1525  |
| <b>Heat Deflection Temperature</b>             | 135           | °C                  | ASTM D648   |