

PPC5UF0-Natural

A medium melt flow polypropylene copolymer for interior trim applications.

TYPICAL APPLICATIONS:

Door panels, interior trim parts, and other automotive components.

Product Description:

Properties shown below are typical for this unfilled medium impact copolymer polymer polypropylene.

**Approved To: WSS-M4D638-B
MS-DB500 CPN 4705**

**Tested To: TSM5514G-2N
TSM5514G-3A/3AN
TSM5514G-5**

Features and Options:

- Excellent physical property balance of stiffness and impact strength
- Excellent finished product dimensional stability
- Excellent processing and usage performance
- Tested at $23 \pm 2^\circ\text{C}$ ($73.4 \pm 3.6^\circ\text{F}$) and $50 \pm 10\%$ relative humidity unless otherwise noted.

| Physical Properties | Typical Values* | Test Method |
|--|-----------------------|-------------|
| Melt Flow | 35 g/10 min | ISO 1133 |
| Density/Specific Gravity | 0.89 | ISO 1183 |
| Notched Izod Impact @ 23°C | 11 kJ/m ² | ISO 180 |
| Notched Izod Impact @ -40°C | 4 kJ/m ² | ISO 180 |
| Notched Charpy Impact @ 23°C | 11 kJ/m ² | ISO 179 |
| Notched Charpy Impact @ -30°C | 3.5 kJ/m ² | ISO 179 |
| Tensile Strength @ Yield (50mm/minute) | 23 MPa | ISO 527 |
| Tensile Strength @ Ultimate(50mm/minute) | 23 MPa | ISO 527 |
| Tensile Elongation @ Yield (50mm/minute) | 5% | ISO 527 |
| Tensile Elongation @ Break (50mm/minute) | 235% | ISO 527 |
| Tensile Modulus (1mm/minute) | 1,200 MPa | ISO 527 |
| Flexural Modulus (2mm/minute) | 1,000 MPa | ISO 178 |
| Deflection Temperature @ 1820 KPa | 55°C | ISO 75 |
| 455 KPa | 97°C | |
| Deflection Temperature @ 1820 KPa (Flatwise) | 54°C | ISO 75 |
| 455 KPa | 90°C | |
| Rockwell Hardness | 83 R scale | ISO 2039 |
| Multiaxial Impact @ 0°C | 17 J | ASTM D3763 |

NOTE: Custom colors available upon request.

* Values given are typical and should not be interpreted as product specification. To obtain values for specific application purposes, contact your Washington Penn Plastic representative.

The results reported are typical and based on reliable testing procedures. However, due to variable processing methods and conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability. No recommendations are made to infringe on patents.