

450 Racetrack Road, P.O. Box 236  
Washington, Pennsylvania 15301-6183  
Phone (724) 228 - 1260  
washingtonpennplastic.com

# 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	34 g/10 min	ISO 1133
Density/Specific Gravity	0.89	ISO 1183
Notched Izod Impact @ 23°C	11 kJ/m <sup>2</sup>	ISO 180
Notched Izod Impact @ -40°C	4 kJ/m <sup>2</sup>	ISO 180
Notched Charpy Impact @ 23°C	10 kJ/m <sup>2</sup>	ISO 179
Notched Charpy Impact @ -30°C	3.5 kJ/m <sup>2</sup>	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)	230%	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	22 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.