Washington Penn Plastic Co., Inc.
Engineering Polyolefin Compounds®
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PPH5TF2UV-JA6A

A 20% talc-reinforced polypropylene homopolymer

TYPICAL APPLICATIONS:

HVAC units, fan shrouds, and other automotive components.

Product Description:

The properties shown below for this filled blend are typical for a 20% talc-reinforced polypropylene homopolymer.

Approved To: **ESH-M4D293-B**
WSS-M4D729-A3
MS-DB500 CPN 4727

Features and Options:

- Medium melt flow
- High heat deflection temperature
- Heat stabilized for use at elevated temperatures
- Custom versions of this compound are available
- Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 10% relative humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	16 g/10min	ASTM D1238 ISO 1133
Filler Content	20%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.06	ASTM D792 ISO 1133
ASTM Testing		
Un-notched Izod Impact @ 23°C	468 J/m	ASTM D256
Tensile Strength @ Yield (50mm/minute)	34 MPa	ASTM D638
Tensile Elongation @ Ultimate (50mm/minute)	10%	ASTM D638
Flexural Modulus (12.7mm/minute)	3,000 MPa	ASTM D790
Deflection Temperature @ 264 psi 66 psi	77°C 132°C	ASTM D648
ISO Testing		
Notched Izod Impact @ 23°C	3 kJ/m^2	ISO 180
Notched Izod Impact @ -40°C	2 kJ/m^2	ISO 180
Notched Charpy Impact @ 23°C	2 kJ/m^2	ISO 179
Notched Charpy Impact @ -40°C	1.5 kJ/m^2	ISO 179
Tensile Strength @ Yield (50mm/minute)	35 MPa	ISO 527
Flexural Modulus (2mm/minute)	2,700 MPa	ISO 178
Deflection Temperature @ 1820 KPa	75°C	ISO 75

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.