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PPH1TF2-Black

A 20% talc-reinforced polypropylene homopolymer.

TYPICAL APPLICATIONS:

Various automotive components.

Product Description:

Properties shown below for this filled blend are typical for a 20% talc-reinforced polypropylene homopolymer. This basic product satisfies many application needs. Special compounds are available.

Approved to: WSK-M4D729-A1, WSS-M4D729-B7
GMP.PP.008
MS-DB500 CPN 4039
ASTM D4000
ROH# 90492
WSS-M4D729-B1

Features and Options:

- Long-term heat age stability
- Custom versions of this compound are available.
- Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted.

Physical Properties	Typical Values*	Test Method
Melt Flow	0.95 g/10min	ASTM D1238 ISO 1133
Filler Content	20%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.06	ASTM D792 ISO 1183
ASTM Testing		
Notched Izod Impact @ 23°C	59 J/m	ASTM D256
Tensile Strength @ Yield (50mm/minute)	35 MPa	ASTM D638
Flexural Modulus (1.27mm/minute)	2,400 MPa	ASTM D790
Deflection Temperature @ 66 psi 264 psi	125°C 74°C	ASTM D648
ISO Testing		
Notched Izod Impact @ 23°C	4.5 kJ/m^2	ISO 180
Notched Izod Impact @ -40°C	2.5 kJ/m^2	ISO 180
Notched Izod Impact @ 10°C	3.5 kJ/m^2	ISO 180
Notched Charpy Impact @ 23°C	4.5 kJ/m^2	ISO 179
Notched Charpy Impact @ -40°C	1.5 kJ/m^2	ISO 179
Tensile Strength @ Yield (5mm/minute)	33 MPa	ISO 527
Tensile Elongation @ Break (5mm/minute)	100%	ISO 527
Tensile Strength @ Yield (50mm/minute)	35 MPa	ISO 527
Flexural Modulus (2mm/minute)	2,500 MPa	ISO 178
Deflection Temperature @ 455 KPa 1820 KPa	121°C 76°C	ISO 75
Deflection Temperature @ 1820 KPa (Flatwise)	73°C	ISO 75

* 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.