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PEH1TF2-Natural

A 20% talc-reinforced polyethylene compound.

TYPICAL APPLICATIONS:

Wire Troughs, Seat Backs, and other automotive components.

Product Description:

Properties shown below for this filled blend are typical for a 20% talc-reinforced polyethylene compound. This product is designed for blow molding and extrusion processes.

Approved To: **GMP.PE.017**
MS-DB485 CPN 4388
ASTM D4000 Callout

Features and Options:

- Excellent Melt Strength.
- Heat stabilized for extended use at elevated temperatures.
- 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 (190°C/ 21.6 kg)	16 g/10 min	ASTM D1238 ISO 1133
Filler Content	24%	ASTM D5630 ISO 3451
Density/Specific Gravity	1.13	ASTM D792 ISO 1183
ASTM Testing		
Notched Izod Impact @ 23°C	580 J/m	ASTM D256
Tensile Strength @ Yield (50mm/minute)	32 MPa	ASTM D638
Tensile Elongation @ Yield (50mm/minute)	14%	ASTM D638
Tensile Elongation @ Break (50mm/minute)	40%	ASTM D638
Flexural Modulus (1.27mm/minute)	1,950 MPa	ASTM D790
Deflection Temperature @ 264 psi 66 psi	55°C 98°C	ASTM D648
Multiaxial Impact @ 0°C	14.5 J	ASTM D3763
ISO Testing		
Notched Izod Impact @ 23°C	42 kJ/m^2	ISO 180
Notched Izod Impact @ -20°C	26 kJ/m^2	ISO 180
Tensile Strength @ Ultimate (50mm/minute)	32 MPa	ISO 527
Tensile Elongation @ Ultimate (50mm/minute)	14%	ISO 527
Flexural Modulus (2mm/minute)	1,800 MPa	ISO 178
Deflection Temperature @ 455 KPa	85°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.