

A Medium Density Polyethylene Compound

TYPICAL APPLICATIONS:

Wire Troughs, and other automotive components.

Product Description:

Properties shown below for this filled blend are typical for a medium density polyethylene compound. This product is designed for blow molding and extrusion processes.

Delfingen Product Reference: PE10

Colors available: Natural (M0012), Black (M0013)
Gray, Red, White, Yellow.

Features and Options:

- High Impact
- Good Flexibility
- Chemical Resistance
- 85°C continuous rating (3000 hours)
- short term : 115°C - 168 hours

| Physical Properties | Test Methods | Values | Unit |
|---------------------------------------|--------------|--------|-------------------|
| Melt Flow Index (190°C, 2.16 kg) | ASTM D1238 | > 0.7 | g/10 min |
| Specific Gravity max | ASTM D792 | 0.94 | g/cm ³ |
| Tensile Strength, Yield (50 mm/min) | ASTM D638 | 15 | MPa |
| Tensile Elongation, Break (50 mm/min) | ASTM D638 | 400 | % |
| Flexural Modulus, secant (1.3 mm/min) | ASTM D790 | 350 | MPa |
| Flammability (3mm) | UL94 | HB | - |
| | FMVSS 302 | < 102 | mm/min |

This raw material is designed to meet:

- | | |
|---------------------------------------|---------------------------------|
| - Ford ES-XU5T-14A099-AA RevB - 85°C- | - ESB-M4D152-A and ESB-M4D153-A |
| - UTMS 18013 | - DELPHI M2092 / M3421 / C0836 |
| - Yazaki YPES 16-122 - 85°C- | |

IMDS report available on demand.

*This material must be compliant with **ELV directive 2000/53/EC and its Annexes**. A maximum concentration value up to 0.1% by weight and per homogeneous material for lead, hexavalent chromium and mercury and up to 0.01% by weight per homogeneous material for cadmium shall be tolerated provided these substances are not intentionally introduced. No intentionally introduced amount is tolerated.*

The data listed here falls within normal range of properties, but they should not be used for setting specific limits or used as a basis for design. The applications and conditions for use of this product including technical assistance and information are beyond our control. Users of this product are responsible for evaluating this product to ensure their own satisfaction that it is suitable for their intended uses. All information is given without warranty or guarantee. Before working with this product, users must read and familiarize themselves with the available health, safety and environmental information that is available regarding product hazards, proper use and handling.

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