

## A Flame Retardant Medium Density Polyethylene Compound



### TYPICAL APPLICATIONS:

Automotive components (Convolute tubing, Smooth tubing)

### Product Description:

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

Delfingen Product Reference: **PEFR**

**Color available: Gray, Black**

### Features and Options:

- High Impact
- Good Flexibility
- Chemical Resistance
- Self Extinguishing
- Temperature rating: -40 to 85°C
- 85°C continuous rating (3000 hours)
- short term : 115°C - 168 hours
- DecaBDE Free

Physical Properties	Test Methods	Values	Unit
Melt Flow Index (190°C, 2,16 kg)	ASTM D1238	>0.9	g/10 min
Specific Gravity	ASTM D792	1.01	g/cm <sup>3</sup>
Melting Temperature	DSC	120	°C
Tensile Strength, Yield (50 mm/min)	ASTM D638	>12	MPa
Tensile Elongation, Break (50 mm/min)	ASTM D638	>400	%
Flexural Modulus, secant (1.3 mm/min)	ASTM D790	>300	MPa
Flammability	FMVSS 302	SE	mm/min
	UL94 (3mm)	V2	-

This Material meets:

- DELPHI M2160
- DELPHI M3504

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.*