



A 20% Calcium Filled Polypropylene Compound

TYPICAL APPLICATIONS:

Automotive components (convolute).

Product Description:

Properties shown below for a 20% calcium filled extrusion grade polypropylene.

Delfingen Product Reference: **PP5**

Color available: Black (M0222)

Features and Options:

- Low Melt Flow
- High Degree of Flexibility
- Good Temperature Resistance (155°C for 168 hours)
- Good Chemical Resistance
- Tested at $23 \pm 2^\circ\text{C}$ ($73.4 \pm 3.6^\circ\text{F}$) and $50 \pm 5\%$ relative humidity unless otherwise noted.

Physical Properties	Test Methods	Values	Unit
Melt Flow Rate (230°C, 2.16 kg)	ASTM D1238	1.0	g/10 min
Ash Content	ASTM D5630	19	%
Specific Gravity	ASTM D792	1.03	g/cm ³
Tensile Strength, Break (50 mm/min)	ASTM D638	21	MPa
Tensile Elongation, Break (50 mm/min)	ASTM D638	1.145	%
2% Secant Modulus	ASTM D638	280	MPa
Flammability (3mm)	UL94	HB	-

This material is designed to meet :

- Delphi M1888 & M2262
- YAZAKI YPES-16-119
- ASTM D4000 : TEO 0120 K20 FA055 GB104 KY013 LB450 UC004 YD065 ZV01

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.