



A Flame Retardant Polypropylene Compound

TYPICAL APPLICATIONS:

Automotive components (convolute tubing)

Product Description:

Properties shown below are typical for a flame retardant polypropylene compound. This product is designed for extrusion processes.

Delfingen Product Reference: PP3 (or PPFR)

Colors available: Natural, Black, Gray, White, Yellow, Blue Green

Features and Options:

- High Impact
- Good Flexibility
- Chemical Resistance
- Temperature rating: -40°C to 100°C
- Peak Temperature : 150°C for 168 hours

Physical Properties	Test Methods	Values	Unit
Melt Flow Index (190°C, 21.6 kg)	ASTM D1238	> 0.9	g/10 min
Specific Gravity	ASTM D792	0.98	g/cm ³
Melting Temperature	DSC	170	°C
Tensile Strength, Yield (50 mm/min)	ASTM D638	> 23	MPa
HDT at 0.46 MPa	ASTM D648	98	°C
Flammability	FMVSS 302	SE	mm/min
	UL94 (1mm thick)	V2	-
Oxygen Index	ASTM D2863	25.2	%

This raw material is designed to meet:

- Yazaki YPS-9467A , YPS 11-03-002 and YPS 11-03-006
- Toyota TSC 1150G
- Nissan 24010 NDS 00
- UTMS 18002
- Delphi Engineering spec M3505 and M4650 that refers to M2206

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.