

A High Heat Polypropylene

TYPICAL APPLICATIONS:

Automotive extruded parts.

Product Description:

This product is a flame retardant and heat stabilized compound based on PP copolymer.

Delfingen Product Reference: **HHPP**

Color available : Black

Features and Options:

- Chemical Resistance
- Dimensional Stability
- Fluid Resistance
- Temperature in use: -40 to 125°C
- Temperature rating: 125°C – 3000 hours
- Short term : 150°C – 500 hours

Physical Properties	Test Methods	Values	Unit
Specific gravity	ASTM D792-00	0.95	g/cm ³
Tensile Strength, Yield (50 mm/min)	ASTM D638	23	MPa
Tensile Elongation, Yield (50 mm/min)	ASTM D638	9	%
Flexural Modulus, tangent (1.3 mm/min)	ASTM D790	> 1000	MPa
Melting Temperature	ISO 3146 (DSC T _{peak})	165	°C
Rockwell Hardness	R Scale	93	R
Flammability	ISO 3795	< 75	mm/min
(3mm)	UL94	HB	-
Heat deflection temperature, 455kPa	ASTM D648	95	°C
Heat deflection temperature, 1.8MPa	ASTM D648	55	°C
Notched Izod Impact @ 23°C	ASTM D258 Method A	747	J/m

This raw material is designed to meet:

- | | |
|----------------------------------|------------------------|
| - Ford ES-XU5T-14A099-AA (125°C) | - DELPHI M5649 & M2284 |
| - UTMS 18013 (125°C) | - GMW 15926 (2008) |
| - Yazaki YPES 16-122 (125°C) | |

This raw material complies with Ford Engineering Material Specification WSS-M99P9999-A1 and GMW3059 regarding the restricted and reportable substances for parts.

*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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