A Heat Stabilized Copolymer Nylon 6

TYPICAL APPLICATIONS:
Convolute Tubing for Wire Harness Protection

Product Description:

Properties below are typical for this grade of Heat Stabilized Nylon

Delfingen Product: **NC7**

Features and Options:

- High Impact
- Good Flexibility
- Chemical Resistance
- Temperature rating: -40 to 125°C
- Short term: 150°C -168h

Colors available: M0009 (Black), M0010 (Natural), Red, Orange…

Physical Properties	Limits	Values	Unit	Test Methods
Specific Gravity	1.05 – 1.10	1.06	g/cm^3	ISO 1183-04
Moisture	<0.20	0.16	%	ISO 15512-99
Tensile Strength at yield	>30	40	MPa	ISO 527-1-93
Elongation at break	> 200	242	%	ISO 527-1-93
Flexural Modulus	< 1000	551	MPa	ISO 178-01
Melt point	200 - 225	218	°C	ISO 11357
Notched Izod Impact at 23°C	> 140	204	J/m	ISO 180
HDT at 455 kPa	≥119	119	°C	ISO 75
Flammability	HB	HB	-	UL94
Flammability	< 100 mm/min	60	mm/min	FMVSS302

This raw material is designed to meet:

- Ford spec ESB-M4D423-A2
- GM7001MPA (A3, A42, A62, DA1070, DB1100, G25, L2000, K330, M38, SA119)
- GMP.PA6.003 (Stress at Yield after heat aging 1000h = 102%)
- ASTM D4066 PA0283
- DELPHI M2170 and M01889
- ASTM D4000 PA0261 B 29510 UB 005

This raw material complies with Ford Engineering Material Specification WSS-M99P9999-A1 and General Motors GMW 3059.
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.