

**Nylon (PA) 66 – Heat stabilised**

*Used on: All Harnessflex unreinforced nylon fittings.*

<b><u>Properties</u></b>	<b><u>Test Method</u></b>	<b><u>Value</u></b>	<b><u>Unit</u></b>
<b>General</b>			
Density	ISO 1183	1.14	g/cm <sup>3</sup>
Melting Point	ISO 1218	255	°C
<b>Mechanical</b>			
Tensile Strength	ISO 527	95 (Dry)	MPa
Elongation at break	ISO 527	20 (Dry)	%
Youngs Modulus	ISO 527	3600 (Dry)	MPa
Charpy impact strength	ISO 179	DNB (Dry)	kJ/m <sup>2</sup>
Charpy notched impact strength		5 (Dry)	kJ/m <sup>2</sup>
IZOD impact strength	ISO 180C	DNB (Dry)	kJ/m <sup>2</sup>
IZOD notched impact strength	ISO 180A	4 (Dry)	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat Distortion Temperature-A	ISO 75	80	°C
Heat Distortion Temperature-B	ISO 75	230	°C
<b>Flammability</b>			
Flammability	UL94	V2	N/A
<b>Electrical</b>			
Dielectric strength	IEC 243	60 (Dry)	MV/m
Surface Resistivity	IEC 93	12 (Dry)	log <sub>10</sub> Ω
Volume Resistivity	IEC 93	13 (Dry)	log <sub>10</sub> Ω
Comparative Tracking Index	IEC 112	600	V

Notes:

*DNB = Did not break*

*Dry = Dry as moulded*

*Con = Conditioned 168hrs @ 23°C, 50 % RH*

*All tests undertaken at 23°C where applicable*

**Chemical resistance:**

Nylon 66 Harnessflex fittings are resistant to all underbonnet oils, greases, fuels, cleaning fluids and synthetic fluids.

Like all Nylons they are resistant to weak acids but not resistant to strong or oxidizing acids.

**Approvals:**

Individual parts are approved to different standards including ADR/GGVS and NFR 13-903.

Others are manufacturer specific or are new developments and may not be approved to certain standards. Please contact the technical office for specific enquiries.

Information Source - Polymer supplier published information.

The data given is typical data and does not represent minimum values. Variations within normal tolerances are possible for different colours. The test methods are equivalent to the Campus database as far as the same properties are given.