

TECHNICAL SPECIFICATION

HYDYNAMIC PA 12

1. Scope

0620-0004-0603 / 6.0X1.5 RIGID
 0620-0007-0603 / 6.0X1.5 FLEXIBLE

2. Material / material properties

Polyamide PA12 HL
 (Polyamide 12 plasticized, heat-stabilized and impact modified)

Polyamide PA12 PHL Y acc. to DIN 73378 & DIN 74324
 (Polyamide 12 plasticized, highly flexible, heat-stabilized and impact modified)

Material property	0620-0004-0603	0620-0007-0603
Density DIN EN ISO 1183	1,07 ± 0,02 g/cm ³	1,02 ± 0,02 g/cm ³
Hardness Shore D DIN EN ISO 868	74 ± 5	65 ± 5
Tensile stress at break DIN EN ISO 527- 1/2	≥ 45 MPa	≥ 25 MPa
Nominal elongation at break DIN EN ISO 527- 1/2	≥ 50 %	≥ 3 %

Application temperature range: - 40° C up to + 100° C, short-term up to + 160 °C for PA12 HL and + 125 °C for PA12 HL FLEXIBLE.

The information given here is based on empirical values. The values provided shall be regarded as non- binding.

3. Dimensions / tolerances / color

HYDY-Art.	Dimension	Material	Outer -Ø [mm]	Wall thickness [mm]	Color
0620-0004-0603	6x1.5	PA 362	6.00 ± 0.10	1.50 ± 0.10	Black, 98300
0620-0007-0603		PA 362			Black, 98300



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6. Pressure resistance / bending radius

HYDY-Art.	Dimension	Material	Working pressure* [bar]	Burst pressure* [bar]	Bending radius* [mm]
0620-0004-0603	6x1.5	PA 362	Max. 93	Min. 279	Min. 40
0620-0007-0603		PA 362	Max. 82	Min. 204	Min. 35

* Reference values acc. to DIN 73378 and DIN 74324.