



## PA (Polyamid)

Polyamides (PA) are semi-crystalline polymers. They have very good mechanical properties, particularly high impact resistance and excellent frictional and wear behavior. PA tubes are mainly used in pneumatics.

Physical Properties	Unit	Value
Temperature	°C	-60 to +100
Shore Hardness	Shore D	62
Density	g/cm <sup>3</sup>	1,03

Pressure Resistance in Bar	
ID/OD	20°C
DN 03/05	34
DN 04/06	27
DN 06/08	19
DN 08/10	15
DN 08/12	27
DN 09/12	19
DN 10/12	12
DN 13/16	14

Bending Radius	
ID/OD	Bending Radius in mm
DN 03/05	25
DN 04/06	30
DN 06/08	40
DN 08/10	60
DN 08/12	60
DN 09/12	60
DN 10/12	85
DN 13/16	90

Additional Information	
Outside Suitability	UV-Resistance
CIP Suitability	Not Suitable
Method of Sterilization	Not Steriliseable
Characteristics	ADI free

Compressive Stress -Temperature	
Temperature °C	Reduction Factor
30	0,87
40	0,74
50	0,64
60	0,57
70	0,52
80	0,47
90	0,44
100	0,36