

Nylon series

Food grade nylon hose (economical type) LCPAE

Features and Applications

- Fluid: Air, water, oil, general-purpose acids and bases
- Features: good material strength and elasticity, good heat resistance, outstanding mechanical properties and wear resistance, oil and solvent resistance
- Application: Often used as automobile components, machine components, (in production industry) fuel pipes, cooling pipes, conveying pipes, etc. In compliance with food-grade level environmental friendliness

Series table

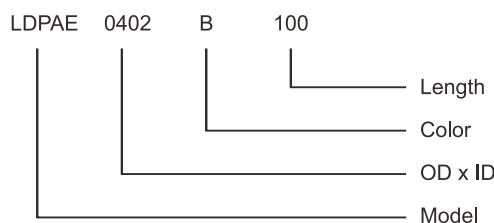
Model	ODxID (mm)	Maximum working pressure (Mpa)			Minimum bending radius (mm)	Color							
						Black	White	Red	Blue	Yellow	Green	Grey	Clear
		20°C	40°C	60°C		B	W	R	BU	Y	G	GR	C
LCPAE0402	4×2	3.5	2.6	2.0	20	●	○	●	●	●	●	●	○
LCPAE0425	4×2.5	3.2	2.3	1.65	30								
LCPAE0604	6×4	2.0	1.4	1.0	45								
LCPAE0806	8×6				65								
LCPAE1075	10×7.5				75								
LCPAE1209	12×9				100								
LDPAE 1/8"	3.18×2.18	2.3	1.6	1.2	20								
LDPAE 3/16"	4.76×3.18				45								
LDPAE 1/4"	6.35×4.23				65								
LDPAE 3/8"	9.53×6.35				75								
LDPAE 1/2"	12.7×8.46				110								

Note: Other sizes, colors can be customized, please contact us

Material, length, packaging

- Material: nylon (hardness: 64D)
- Length: 200m/roll (OD less than 6mm), 100m/roll (OD more than 6mm)
- Packaging: by roll in plastic film protector, or in customized box

Model representation method



Suitable hose connectors

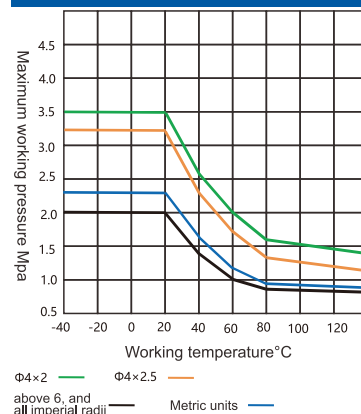
- one-touch fitting, tube fitting, insert fitting, miniature fitting



Working fluid temperature ranges

Fluid	Working temperature
Air	-40°C~+100°C
Water	0°C~+70°C
Other fluids	-40°C~+100°C

Maximum working pressure chart



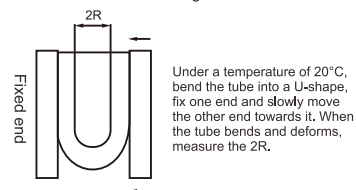
Tolerance level

Hose OD	Tolerance
4-6mm	+0.08 / -0.08
8-16mm	+0.10 / -0.10

★ Attention:

1. This product is mainly suitable for air and water. If other media are used, please contact us.
2. The minimum bending radius is measured at a temperature of 20°C.
3. Hose ruptures are typically caused by abnormal temperature rises due to adiabatic compressions.

How the minimum bending radius is measured



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