



# POLIAX UPE CON SM OND EN 12115

According to EN 12115

*POLIAX UPE CON SM EN 12115 OND is a very flexible hose suitable for suction and delivery of a wide range of highly aggressive chemicals such as most industrial acids, alkalis, oils, fuels and solvents. It can also be used as a flexible connections in paint plants.*

*Refer to the Chemical Resistant Chart to determine compatibility with specific chemicals. For severe or special applications – for tighter bending radius – or if in doubt, please ask our Technical Assistance.*

## Hose Construction

- Tube:** Lucent, black, smooth, conductive, ultra high molecular weight polyethylene (UHMWPE), suitable for foodstuff contact according to FDA, EEC Directive, Italian Decrees
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to allow the electrical connection between hose and couplings
- Cover:** Black, corrugated, antistatic (R < 1 MΩ/m), EPDM rubber compound, heat, abrasion, ageing and weather resistant



- Extreme flexibility, superior kink resistance, minimal force to bend
- Fits also foodstuffs according to FDA
- Suitable for ATEX areas
- Meets TRbF 131 part 2 par 5.5 (flame resistance)
- Vacuum: 0.9 bar up to dn 63.5, for larger sizes 0.8 bar
- Burst Pressure Value 4:1

## Temperature Range

-20 °C (+5 °F) to +100 °C (+212 °F)

*For aggressive chemicals and solvents the hose is intended to be used at room temperature. The hose can be cleaned and sterilized with usual detergents or steam – a temperature of +130 °C (+266 °F) for short periods.*

## Tolerances

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Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)		Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
				MPa	psi	bar			
IH36811570/40	19	31	1.6	232.0	16	0.71	38	Y	
IH36811571/40	25	37	1.6	232.0	16	0.87	50	Y	
IH36811572/40	32	44	1.6	232.0	16	1.07	64	Y	
IH36811573/40	38	51	1.6	232.0	16	1.35	76	Y	
IH36811574/40	50	66	1.6	232.0	16	2.29	100	Y	
IH36811575/40	63.5	79	1.6	232.0	16	2.51	127	N	
IH36811576/40	75	91	1.6	232.0	16	3.07	150	N	
IH36811577/20	100	116	1.2	180.0	12	4.43	200	N	

### WARNING!

If delivering chemicals over +25 °C (+77 °F), please contact us. Many chemical products can cause severe injuries to people or damage to property, and here are risks of environmental pollution in case of leakage or hose burst. All necessary measures must be taken in order to avoid accidents both during normal service operations and during hydrostatic tests, which must be carried out by trained personnel using suitable tools.