



UW-PUR – CORRUGATED TUBES MADE OF MODIFIED POLYURETHANE

Polyurethane conduits is commonly used as cable protection on robots and other machines with moving parts and other installations where very high flexibility is required. UW-PUR also has very good abrasion resistance.

Properties / Technical data

Continuous use temperature	- 40°C to + 125°C
Brief application temperature	+ 140°C
Density (DIN 53479) g/cm ³	1,12 (+/- 0,05)
Moisture absorption (ISO 62)	< 0,5 %
Yield stress 100% (DIN 53504)	7 MPa
Elongation (DIN 53504)	> 450 %
Tensile strength, Mpa	> / = 50
dielectric strength, VDE 303 (IEC 243), KV/mm	20 - 25
Flammability, UL 94 / FMVSS 302	HB / type B

Chemical stabilities (in direct contact)

Gasolines with 23°C	moderately steadily
Brake fluids with 23°C	moderately steadily
Antifreeze (+H ₂ O) with 23°C	well steadily
Cleaning agent with 23°C	well steadily
Lubricant and fat with 23°C	well steadily
Acids (strongly diluted)	well steadily
Acids generally	moderately steadily



We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. BOXCO shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.

Part no	NW inner (mm)	Profile f = fine, c = course	Fitting	Ø A mm	Ø I mm	a mm	b mm	s mm	Standars lengths Ring (m)	Standars lengths Box (m)
806 075 01	7,5	f	Pg7 / M10	9.9	7.6	2.7	1.8	0.6	300	900
806 100 01	10	f	Pg9 / M12	12.9	10.1	2.7	1.8	0.6	200	600
806 130 01	13	f	Pg11 / M16	15.8	13.1	3.1	2.2	0.8	100	300
806 170 01	17	f	Pg16 / M20	21.2	17.1	3.3	2.3	0.8	150	1200
806 220 01	22	f	Pg21 / M25	25.4	22.1	5.1	3.4	1.0	50	350
806 230 01	23	f	Pg21 / M25	28.3	23.1	3.4	2.3	1.0	50	350
806 290 01	29	f	Pg29 / M32	34.3	29.1	3.4	2.2	1.0	25	100

Raw-Material in accordance with following directives

EU-ELV Directive 2000/53/EC

EU-ELV Directive 2003/11/EC

Daimler Chrysler DBL 5420

Ford smooth tube specification ES2U5A-1A263-AA

Delphi M4118

BMW PUR tube drawing 1 459 835

AFL TL-Nr. 980-001

VW TL 529

