

# POLYURETHANE PU ESTER (TPC)

## TPU ESTER



INDUSTRIAL  
AUTOMATION



LIFE SCIENCE



AIR



BREATHING AIR



OIL AND GREASE



TECHNICAL TUBING AND ACCESSORIES

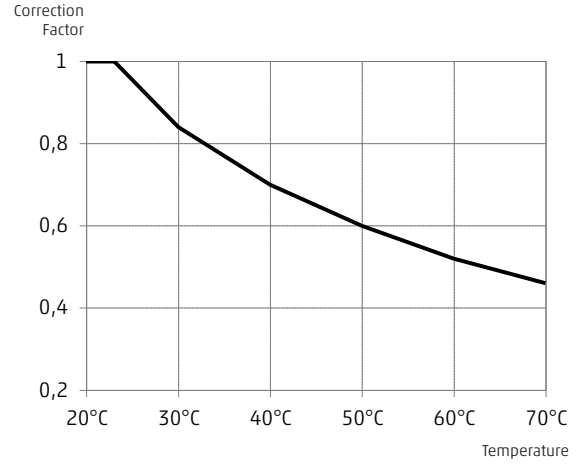
Ester-based polyurethane tubes offer excellent flexibility and a small bend radius. In addition to excellent durability, they offer good resistance against ruptures, abrasions, and kinking.

- Excellent flexibility and durability
- Small bend radius
- Shore Hardness A 98
- High abrasion resistance

### MAIN TECHNICAL FEATURES

Operating Temperature with air °C	-20 to +60
Operating pressure at 20°C (bar)	9 - 13
Min. bend radius mm	15 - 50
Specific weight g/m	9.3 - 76.6
Box m	25 and 100
Standard Size mm	4/2,5; 6/4; 8/6; 10/8; 12/8
Standards	REACH, RoHS EU 10/2011 (Raw material)* FDA 21 CFR 177.2600

\* It is responsibility of the final user to ensure, through appropriate tests, the compliance of the finished products with the overall and specific migration limits required by the regulations.



Box 25 m

Box 100 m

Box 25 m			External Ø mm	Internal Ø mm	Thickness tube mm	Operating pressure bar	Bend radius mm	Specific weight g/m
GREY (RAL 7012)	BLACK	BLUE						
TPU-4/2,5-0101-GR-B25	TPU-4/2,5-0101-BK-B25	TPU-4/2,5-0101-B-B25	4	2.5	0.75	13	15	9.3
TPU-6/4-0101-GR-B25	TPU-6/4-0101-BK-B25	TPU-6/4-0101-B-B25	6	4	1	13	18	19.2
TPU-8/6-0101-GR-B25	TPU-8/6-0101-BK-B25	TPU-8/6-0101-B-B25	8	6	1	9	35	26.8
TPU-10/8-0101-GR-B25	TPU-10/8-0101-BK-B25	TPU-10/8-0101-B-B25	10	8	1	7	45	34.5
TPU-12/8-0101-GR-B25	TPU-12/8-0101-BK-B25	TPU-12/8-0101-B-B25	12	8	2	9	50	76.6

Black tubing is recommend for outdoor applications.

Box 100 m			External Ø mm	Internal Ø mm	Thickness tube mm	Operating pressure bar	Bend radius mm	Specific weight g/m
GREY (RAL 7012)	BLACK	BLUE						
TPU-4/2,5-0101-GR-B100	TPU-4/2,5-0101-BK-B100	TPU-4/2,5-0101-B-B100	4	2.5	0.75	13	15	9.3
TPU-6/4-0101-GR-B100	TPU-6/4-0101-BK-B100	TPU-6/4-0101-B-B100	6	4	1	13	18	19.2
TPU-8/6-0101-GR-B100	TPU-8/6-0101-BK-B100	TPU-8/6-0101-B-B100	8	6	1	9	35	26.8
TPU-10/8-0101-GR-B100	TPU-10/8-0101-BK-B100	TPU-10/8-0101-B-B100	10	8	1	7	45	34.5
TPU-12/8-0101-GR-B100	TPU-12/8-0101-BK-B100	TPU-12/8-0101-B-B100	12	8	2	9	50	76.6

Black tubing is recommend for outdoor applications.

### RECOMMENDED FITTINGS



SERIES 6000



SERIES 7000-AUTOMATION



SERIES 7000-COOLING



SERIES 8000, H8000



SERIES 1000



SERIES 1000 UNIVERSAL