

PTFE Tubi tecnici
Technical tubes

Technical Data Sheet PTFE Tubing

CODE	External diameter (mm)	Internal Diameter (mm)	Wall Thickness (mm)	Bend radius (mm)	Working pressure (bar - 20°C)	Burst pressure (bar - 20°C)
PTFEXXX 0402 00	4	2	1	20	42	127
PTFEXXX 0425 00	4	2,5	0,75	15	27	80
PTFEXXX 0604 00	6	4	1	35	25	76
PTFEXXX 0806 00	8	6	1	65	18	54
PTFEXXX 1008 00	10	8	1	100	14	42
PTFEXXX 1210 00	12	10	1	150	12	35

Prodotti conformi a / Products in compliance with

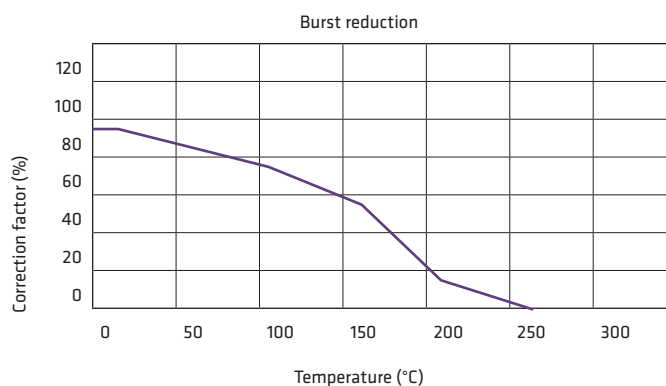
MOCA
EC 1935/2004

MECHANICAL PROPERTIES

Raw Material	DIN or ASTM standard	U.M.	PTFE
Density	D792	g/cm ³	2,14 - 2,19
Flammability	UL94	-	V0
Water absorption	D570	%	<0,01
Ultimate tensile strength at 23°C	D1708-D638	Mpa	29 - 39
Elongation at tear, at 23°C	D1708-D638	%	200 - 500
Maximum bending stress at 23°C	53452	Mpa	18
Ball hardness 132/60	53456	N/mm ²	25-30
Shore hardness D	D2240	SH	55-72
Melting temperature/fusion point	ASTM 2116	°C	327
Thermal conductivity at 23°C	52612	W/K • m	0,23
Specific heat at 23 °C	-	Kj/Kg • K	1,01
Oxygen index	D2863	%	> 95
Dielectric constant at 10 ¹ Hz	53483	-	2,0-2,1
Dielectric constant at 10 ² Hz	-	-	2,0-2,1
Dielectric constant at 10 ³ Hz	53483	-	0,3-0,5
Dielectric constant at 10 ⁴ Hz	-	-	0,7-1,0
Volume resistivity	ICE 93+167	Ω • cm	10 ¹⁸
Surface resistivity	ICE 93+167	Ω	10 ¹⁷
Creep resistance	53480	%	7,0
Dielectric strength	53481	KV/mm	40-80

PRESSURE PERFORMANCE @TEMPERATURE

-200°C	-100°C	-50°C	-0°C	20°C	50°C	75°C	100°C	150°C	200°C	250°C
85%	85%	100%	100%	100%	95%	90%	80%	60%	20%	10%



CARATTERISTICHE PRINCIPALI / MAIN FEATURES

Fluoropolimeri Termoplastici / Thermoplastic Fluoropolymers

- Ottima resistenza chimica
- Ampia gamma di temperatura d'utilizzo (-70°; + 260°)
- Eccellente resistenza ai raggi UV
 - Anti-aderenza
 - Ininfiammabilità
- Ottima resistenza dielettrica
- Superficie estremamente liscia e calibrata
- Excellent chemical resistance
- Wide Temperature working range (-70°C; +260°C)
 - High UV rays resistance
 - Low friction coefficient
 - Low flammability
- Excellent Dielectric resistance
- Extremely smooth and colibrated surface