

Features/Applications

POM and POMA are medium wall, halogen free, irradiated polyolefin heat shrink tubing (POM), with adhesive (POMA). The material offer good electrical insulation properties, high resistance to impact, abrasion and UV radiation. 3:1 shrink ratio allows it to fit over irregular shapes and large connectors. POM and POMA are suitable for a variety of low voltage (up to 15kV) electrical and telecommunication applications, cable joints and terminations where zero halogen properties are required.



Various

Operating temperature: -55°C to 125°C.

Recovery temperature: 120°C

Standard colour: Black.

Specifications

Resistant to UV radiation. RoHS and REACH compliant.

Dimensions



Article No. (Black tube)	As supplied (mm)	After recovery (mm)		Standard lenght (m)
	Inside diameter Min. (D)	Inside diameter Max. (d)	Wall thickness Min.(t)	
POMA30080	8	2	1,7	1,22
POMA30120	12	3	1,8	1,22
POMA30160	16	5	2,0	1,22
POMA30220	22	6	2,2	1,22
POMA30280	28	6	2,5	1,22
POMA30330	33	8	2,5	1,22
POMA30400	40	12	2,5	1,22
POMA30550	55	16	2,7	1,22
POMA30650	65	19	2,8	1,22
POMA30750	75	22	3,0	1,22
POMA30850	85	25	3,0	1,22
POMA30950	95	25	3,0	1,22
POMA31150	115	34	3,3	1,22
POMA31400	140	42	3,5	1,22
POMA31600	160	50	3,5	1,22
POMA31800	180	58	3,5	1,22
POMA32050	205	65	3,5	1,22
POMA32350	235	65	3,7	1,22
POMA32650	265	75	4,0	1,22
POMA33000	300	75	4,0	1,22
POMA33500	350	100	4,3	1,22
POMA33800	380	150	4,3	1,22
POMA34100	410	150	4,3	1,22

Most of the dimensions are also available in 1m and 1,5m lengths or in other cut lengths.

Technical properties

	Values	Test methods
Working temperature	-55 to +125°C	-
Tensile strength	Unaged ≥14MPa ≥400%	ASTM D 2671
Ultimate elongation		
Tensile strength	After aging 168h @ 150°C >12MPa >300%	ASTM D 2671
Ultimate elongation		
Density	1,05g/cm ³	ASTM D 792
Longitudinal shrinkage	0-10%	UL 224
Dielectric strength	≥18kV/mm	IEC 243
Volume resistance	≥10 ¹³ Ω. cm	IEC 93
Copper stability	Pass	ASTM D 2671
Water absorption	<0,15%	ISO 62/23°C, 14 days
Adhesive	Softening point	85±5°C ASTM E28
	Peel strength (PE)	4 N/cm DIN 30672
	Water absorption	0,2% ISO 62
	Resistance to fungus and decay	Pass ISO 846