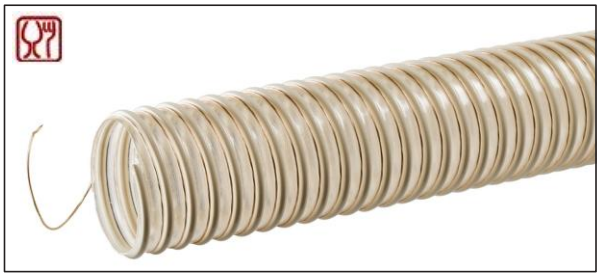
TPE, TEEE abrasion-resistant



OREGON PU AS

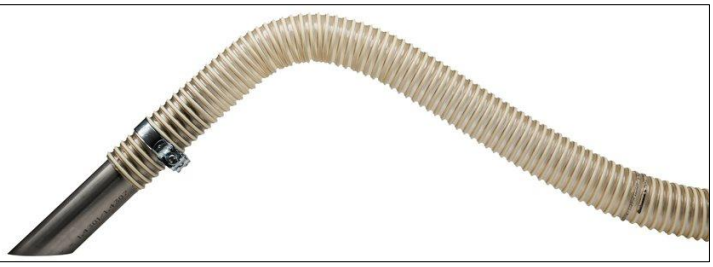
Antistatic hose for the extraction and conveying of abrasive materials and dry food products

Material: transparent polyether-polyurethane
Reinforcement: rigid PVC spiral
Working temperature: from -25°C to +85°C (working pressure depends on temperature)

A light, flexible, pliable and almost smooth-bore hose designed for the extraction and conveying under slight positive pressure of dusts, powders, granulates, grain, flakes and similar light materials with abrasive properties. It has a **copper antistatic wire** embedded on the outer side of the hose along the reinforcing spiral. Effective earthing of the wire provides a level of electrostatic charge dissipation sufficient for many applications. The hose is made of **polyether-polyurethane** and offers good resistance to abrasion, ozone, weathering, hydrolysis and biological corrosion. It is suitable for contact with food when conveying bulk, dry food materials. Hard PVC spiral reinforcement provides good crush resistance. Used in various industrial applications, particularly in the agri-food, plastics, building materials industries etc.

The OREGON PU AS hose complies with European requirements 1935/2004/EC and 10/2011/EU (simulant E), 1895/2005/EC, 2023/2006/EC (GMP) and US FDA 21 CFR 177.2600 “d”. It is suitable for intermittent food contact when conveying dry, bulk food substances with no surface fat - under the conditions specified in the manufacturer's declaration of conformity (available at Tubes International). For further information on food and pharmaceutical applications – see the “Hoses for food products” chapter.

index	diameter inner [mm]	diameter outer [mm]	wall total [mm]	wall wall* [mm]	pressure working 23ºC [bar]	pressure burst 23ºC [bar]	vacuum 23ºC [bar]	bending radius [mm]	weight [kg/m]	length length [m]
ME-OREGON-PUAS-025	25,3	30,9	2,8	0,5	0,6	1,8	0,4	25	0,19	20
ME-OREGON-PUAS-030	30,2	36	2,9	0,6	0,6	1,8	0,4	30	0,21	20
ME-OREGON-PUAS-032	32,2	38,2	3	0,6	0,6	1,8	0,4	32	0,24	20
ME-OREGON-PUAS-035	35	41	3	0,6	0,4	1,2	0,4	35	0,25	20
ME-OREGON-PUAS-038	38,2	44,6	3,2	0,6	0,4	1,2	0,3	38	0,31	20
ME-OREGON-PUAS-040	40,2	46,4	3,1	0,6	0,4	1,2	0,3	40	0,33	20
ME-OREGON-PUAS-045	45,2	51,8	3,3	0,6	0,4	1,2	0,3	45	0,37	20
ME-OREGON-PUAS-050	50	57,4	3,7	0,7	0,4	1,2	0,3	50	0,44	20
ME-OREGON-PUAS-060	60	68	4	0,7	0,4	1,2	0,3	60	0,5	20
ME-OREGON-PUAS-063	63,5	71,5	4	0,7	0,3	0,9	0,3	63	0,53	20
ME-OREGON-PUAS-070	70	78,4	4,2	0,7	0,3	0,9	0,3	70	0,66	20
ME-OREGON-PUAS-075	75	83,6	4,3	0,7	0,3	0,9	0,3	75	0,66	20
ME-OREGON-PUAS-080	80	89	4,5	0,7	0,2	0,6	0,3	80	0,72	20
ME-OREGON-PUAS-090	90	99,6	4,8	0,8	0,2	0,6	0,3	90	0,81	20
ME-OREGON-PUAS-100	100	109,6	4,8	0,8	0,2	0,6	0,3	100	0,92	20
ME-OREGON-PUAS-110	110	121	5,5	0,8	0,2	0,6	0,3	110	1,12	20
ME-OREGON-PUAS-120	120,5	131,5	5,5	0,8	0,15	0,45	0,3	120	1,18	20
ME-OREGON-PUAS-125	125,5	136,5	5,5	0,8	0,15	0,45	0,3	125	1,25	20
ME-OREGON-PUAS-130	130	142	6	0,8	0,15	0,45	0,3	130	1,35	20
ME-OREGON-PUAS-140	140	152	6	0,9	0,1	0,3	0,3	140	1,5	20
ME-OREGON-PUAS-150	150,5	162,5	6	0,9	0,1	0,3	0,3	150	1,6	20
ME-OREGON-PUAS-160	160	172,4	6,2	0,9	0,1	0,3	0,3	160	1,78	20
ME-OREGON-PUAS-180	180	193	6,5	0,9	0,1	0,3	0,3	180	2,1	10
ME-OREGON-PUAS-200	200	214	7	0,9	0,1	0,3	0,3	200	2,28	10

* - wall thickness measured between the spiral

OREGON PU AS DN60 extraction hose connected to a stainless steel suction tail with a 60 mm outer diameter, fitted with a strong wide galvanised steel bolt clamp. The copper antistatic wire turned into the hose bore. The other end of the hose earthed.