

Abrasion-resistant hoses



OREGON PU

Hose for extraction and transfer of abrasive materials and dry foodstuffs

Hose material: transparent polyether - polyurethane
Reinforcement: hard PVC spiral
Operating temperature: -25°C to +85°C (temperature-dependent operating pressure)

A lightweight, flexible, flexible and almost smooth interior hose designed for the extraction and transfer under slight overpressure of dusts, powders, granules, grains, flakes and similar light abrasive materials. Due to its **polyether-polyurethane** construction, it has good resistance to abrasion, ozone, weathering, hydrolysis and biological corrosion. Suitable for food contact for the transfer of loose, dry food materials. Hard PVC spiral reinforcement provides good crush resistance. Used in a variety of industrial applications, particularly in the agro-food industry, plastics, building materials, etc.



OREGON PU 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". Suitable for temporary food contact for the transfer of dry, f r e e - f l o w i n g , non-fatty surface, food substances - under the conditions specified in the manufacturer's declaration of conformity (available from Tubes International). For additional information on food and pharmaceutical applications, see the section "Hoses for food products".

index	internal diameter [mm]	external diameter [mm]	overall thickness [mm]	wall thickness* [mm]	working pressure 23°C [bar]	Bursting pressure 23°C [bar]	vacuum 23°C [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-OREGON-PU-025	25,2	30,8	2,8	0,6	0,6	1,8	0,4	25	0,16	20
ME-OREGON-PU-030	30	35,8	2,9	0,6	0,6	1,8	0,4	30	0,19	20
ME-OREGON-PU-032	32	38	3	0,6	0,6	1,8	0,4	32	0,195	20
ME-OREGON-PU-035	35,2	41	2,9	0,6	0,4	1,2	0,4	35	0,21	20
ME-OREGON-PU-038	38	44,6	3,3	0,6	0,4	1,2	0,3	38	0,25	20
ME-OREGON-PU-040	40,2	46,2	3	0,6	0,4	1,2	0,3	40	0,28	20
ME-OREGON-PU-045	45	51,6	3,3	0,6	0,4	1,2	0,3	45	0,32	20
ME-OREGON-PU-050	50	57,4	3,7	0,7	0,4	1,2	0,3	50	0,39	20
ME-OREGON-PU-060	60	68	4	0,7	0,4	1,2	0,3	60	0,44	20
ME-OREGON-PU-063	63,5	71,5	4	0,7	0,3	0,9	0,3	63	0,47	20
ME-OREGON-PU-070	70	78,4	4,2	0,7	0,3	0,9	0,3	70	0,6	20
ME-OREGON-PU-075	75	83,6	4,3	0,7	0,3	0,9	0,3	75	0,6	20
ME-OREGON-PU-080	80	89	4,5	0,7	0,2	0,6	0,3	80	0,65	20
ME-OREGON-PU-090	90	99,6	4,8	0,8	0,2	0,6	0,3	90	0,75	20
ME-OREGON-PU-100	100	109,6	4,8	0,8	0,2	0,6	0,3	100	0,85	20
ME-OREGON-PU-110	110	121	5,5	0,8	0,2	0,6	0,3	110	1,05	20
ME-OREGON-PU-120	120,5	131,5	5,5	0,8	0,15	0,45	0,3	120	1,1	20
ME-OREGON-PU-125	125,5	136,5	5,5	0,8	0,15	0,45	0,3	125	1,17	20
ME-OREGON-PU-130	130	142	6	0,8	0,15	0,45	0,3	130	1,28	20
ME-OREGON-PU-140	140	152	6	0,9	0,1	0,3	0,3	140	1,4	20
ME-OREGON-PU-150	150,5	162,5	6	0,9	0,1	0,3	0,3	150	1,5	20
ME-OREGON-PU-160	160	172,4	6,2	0,9	0,1	0,3	0,3	160	1,7	20
ME-OREGON-PU-180	180	193	6,5	0,9	0,1	0,3	0,3	180	2	10
ME-OREGON-PU-200	200	214	7	0,9	0,1	0,3	0,3	200	2,18	10
ME-OREGON-PU-250	250	265	7,5	1	0,1	0,3	0,3	250	2,96	10
ME-OREGON-PU-300	304,8	320	7,6	1,1	0,1	0,3	0,3	300	3,7	10

* - wall thickness measured between the spiral

OREGON PU hose DN50 assembled with STORZ stainless steel coupling. The coupling is designed with a smooth spigot (tail) for mounting with a shell clamp. However, the assembly was performed with a strong stainless steel screw clamp - without the use of a locking device (flange) on the tail end. When used for extraction (vacuum), the tip mounting solution is correct; when used for positive pressure, the mounting should be modified or revised accordingly.

