KLEGAINE GPU-FG

GENERAL INDUSTRY

Industrial ducting hoses
Polyurethane

APPLICATIONS

Food grade ducting, very smooth.

Ideal for suction and transport of abrasive materials, powders and granules in food industry, drugs in pharmaceutical laboratories.

Industrial vacuum cleaners and floor care applications, lawn mowers and rock wool projection.

Wood working industries.

Wire conduit for robotics, X-ray machine.

ADVANTAGES

- Food grade polyurethane.
- Good resistance to abrasion, piercing and impacts.
- Outstanding flex-resistance, thanks to the bonding of the PVC helix and polyurethane wall.
- Very resistant to hydrolyze and micro-biological attacks.
- Light, flexible at low temperature. Smooth inner liner ensures optimum flow.
- Good resistance to ozone and UV.
- Good resistance to many oils, solvents, industrial chemicals in the vapour phase at moderate concentration.

TECHNICAL DESCRIPTION

Ether-base polyurethane wall, transparent, smooth inside.
Reinforcement: hard PVC impact resistant helix embedded in the polyurethane wall.
Temperature range: -30°C to +80°C.
Electrical properties: Non conductive. Option: copper string PVC-coated to obtain electric equipotentiality.
Special properties: Abrasion ISO 4649: 40mm³. Food grade quality.

STANDARD/APPROVAL

EU regulation 10/2011/CE.	EU

COUPLINGS/FITTINGS

Standard: connexion by clamp.
Option: can be screwed into the couplings.

COMPLEMENTARY INFORMATION

Technical data for working conditions at 20°C temperature.

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ID mm	WALL THICKNESS mm	WORKING PRESSURE bar	MAX. VACUUM bar	BENDING RADIUS mm	WEIGHT kg/m	LENGTH m	ARTICLE NUMBER	STOCK (l) or min. order m
20.0 ±0.5	0.5 +0.2/-0.1	1.5	0.60	14	0.15	20	5009201	20
25.0 ±0.5	0.55 +0.2/-0.1	1.5	0.60	17	0.18	20	5009202	l
30.0 ±0.5	0.55 +0.2/-0.1	1.5	0.60	21	0.2	20	5009203	20
32.0 ±0.55	0.55 +0.2/-0.1	1.5	0.60	22	0.21	20	5009204	l
35.0 ±1.0	0.55 +0.2/-0.1	1.2	0.60	24	0.23	20	5009205	20
38.0 ±1.0	0.6 +0.2/-0.1	1.2	0.60	27	0.24	20	5009206	20
40.0 ±1.0	0.6 +0.2/-0.1	1.15	0.50	28	0.25	20	5009207	20
45.0 ±1.0	0.6 +0.2/-0.1	1.15	0.50	31	0.28	20	5009208	20
51.0 ±1.0	0.6 +0.2/-0.1	1.15	0.48	35	0.32	20	5009209	l
60.0 ±1.0	0.6 +0.2/-0.1	1	0.30	42	0.39	20	5009210	20
63.0 ±1.0	0.65 +0.2/-0.1	1	0.30	44	0.39	20	5009211	l
70.0 ±1.5	0.7 +0.2/-0.1	1	0.26	49	0.5	20	5009212	20
76.0 ±1.5	0.7 +0.2/-0.1	1	0.16	52	0.55	20	5009213	l
80.0 ±1.5	0.7 +0.2/-0.1	1	0.16	56	0.6	20	5009214	20
90.0 ±1.5	0.7 +0.2/-0.1	1	0.16	63	0.7	20	5009215	20
100.0 ±1.5	0.7 +0.2/-0.1	1	0.16	70	0.81	20	5009216	l
102.0 ±1.5	0.7 +0.2/-0.1	1	0.16	70	0.81	20	5009217	20
120.0 ±1.5	0.75 +0.2/-0.1	0.8	0.16	84	0.95	20	5009218	20
125.0 ±1.5	0.8 +0.2/-0.1	0.8	0.16	87	1.15	20	5009219	20
140.0 ±1.5	0.85 +0.2/-0.1	0.6	0.16	98	1.28	20	5009220	20
152.0 ±2.0	0.85 +0.2/-0.1	0.6	0.16	105	1.4	20	5009221	20
160.0 ±2.0	0.9 +0.2/-0.1	0.5	0.16	112	1.6	20	5009222	20
180.0 ±2.0	1 +0.2/-0.1	0.5	0.16	126	1.85	10	5009223	10
200.0 ±2.0	1.1 +0.2/-0.1	0.4	0.16	140	2	10	5009224	10
250.0 ±2.0	1.1 +0.2/-0.1	0.3	0.15	175	2.5	10	5009225	10

Tolerance on length: ±1% (ISO 1307 Standard).