

Technical Data Sheet

ROHRflex-PA 6-D

ROHRflex corrugated plastic tubings

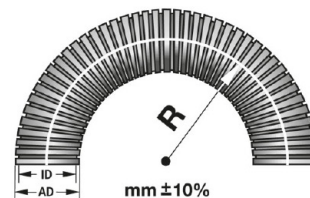
Protective all-plastic tubing, internally and externally corrugated, thick-walled, for heavy applications

Temperature: -40°C ... +120°C ^ +150°C
-40°F ... +248°F ^ +302°F

Material: PA 6 plastics | tinned CU

Characteristics:

- Air and liquid tight
- Oil resistant up to 80°C
- Benzine resistant
- Widely resistant to acids and solvents
- Free of silicone, cadmium, halogen
- Flame retardant
- High cross pressure strength
- Self-extinguishing
- High UV-resistance



Applications:

- Machine and plant constructions, automotive, railway industry, shipbuilding, automation, electrical installations



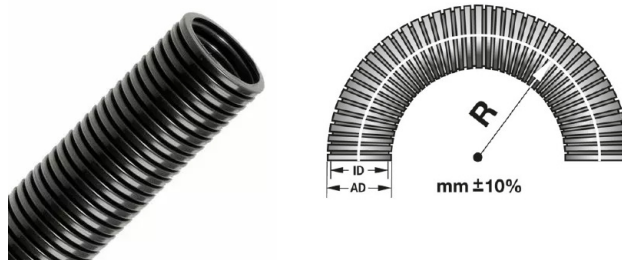
Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression	N	320	EN 61386-23
Resistance to bending		flexible	EN 61386-23
Resistance to reversed bending (-5C)		5000	EN 61386-23
Average reversed bending stress		>40,000	WN-1003
Flame characteristics			
Free of halogen and phosphor		yes	DIN 53474
Flame class		V0	UL 94
Resistance to flame propagation		non flame propagating	EN 61386-23
Light emitting filament check	C	850	EN 60695-2-1/0
Flammability of rail vehicle materials		flame retardant	JRMA
Railway EN 45545-2			
Oxygen index	%	>32	ISO 4589-2
Fire hazard level R22		HL3	EN 45545-2
Fire hazard level R23		HL3	EN 45545-2
Smoke density	DS max.	>150	EN ISO 5659-2
Toxicity	CIT	<0.75	NF X 70-100-1/-2
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Ingress protection			
Assembled with FLEXAquick		IP 68/69K	IEC 60529
Fire performance NFPA 130			
Flame spread index		compliant	ASTM E162
Smoke density		compliant	ASTM E662
Heat and visible smoke	MJ/kg	31.1	ASTM E1354
Smoke toxicity		compliant	Bombardier SMP 800-C
Weather performance			
UV-resistance	Std.	1,000	ASTM G155, Cycle 1
System test			
Pull-out resistance with FLEXAquick	N	100	EN 61386-23

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Part Number	Color	Trade Size mm in	Profile	ID mm in	OD mm in	BR Stat. mm in	BR Dyn. mm in	Weight kg/m lb/ft	Std Pack m ft
0237.202.006	Black	10.0 1/4	Fine	6.4 0.25	10.0 0.39	15 0.59	35 1.38	0.02 0.01	50 164
0237.202.010	Black	13.0 5/16	Fine	9.6 0.38	12.9 0.51	25 0.98	45 1.77	0.03 0.02	50 164
0237.202.012	Black	15.8 3/8	Fine	11.8 0.46	15.7 0.62	35 1.38	55 2.17	0.04 0.03	50 164
0237.202.014	Black	18.5 7/16	Fine	13.8 0.54	18.2 0.72	40 1.57	65 2.56	0.06 0.04	50 164
0237.202.016	Black	21.2 1/2	Fine	16.1 0.63	21.2 0.83	50 1.97	75 2.95	0.08 0.05	50 164
0237.202.023	Black	28.5 3/4	Fine	22.5 0.89	28.4 1.12	60 2.36	100 3.94	0.13 0.09	50 164
0237.202.029	Black	34.5 1	Fine	28.5 1.12	34.4 1.35	70 2.76	120 4.72	0.15 0.10	25 82
0237.202.036	Black	42.5 1 1/4	Fine	35.6 1.40	42.6 1.68	100 3.94	150 5.91	0.20 0.13	25 82
0237.202.048	Black	54.5 1 1/2	Fine	47.5 1.87	54.5 2.15	110 4.33	190 7.48	0.26 0.17	25 82
0237.232.016	Black	21.2 1/2	Coarse	16.0 0.63	21.2 0.83	50 1.97	75 2.95	0.07 0.05	50 164
0237.232.023	Black	28.5 3/4	Coarse	21.4 0.84	28.5 1.12	60 2.36	100 3.94	0.12 0.08	50 164
0237.232.029	Black	34.5 1	Coarse	27.1 1.07	34.3 1.35	70 2.76	120 4.72	0.16 0.11	25 82
0237.232.036	Black	42.5 1 1/4	Coarse	34.8 1.37	42.2 1.66	100 3.94	150 5.91	0.18 0.12	25 82
0237.232.048	Black	54.5 1 1/2	Coarse	47.0 1.85	54.2 2.13	110 4.33	190 7.48	0.26 0.17	25 82

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