

Technical Data Sheet

ROHRflex-PA 6

ROHRflex corrugated plastic tubings

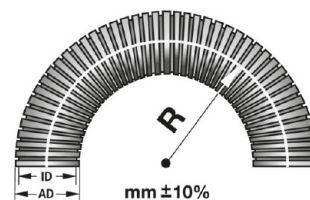
Protective all-plastic tubing, internally and externally corrugated, standard for almost all applications

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

Material: PA 6 plastics

Characteristics:

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



Applications:

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



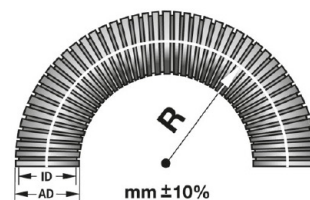
Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression	N	125	EN 61386-23
Resistance to bending		flexible	EN 61386-23
Resistance to reversed bending (-5C)		5000	EN 61386-23
Average reversed bending stress		>40,000	WN-1003
Flame characteristics			
Free of halogen and phosphor		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
Smoke density	DS max.	>150	EN ISO 5659-2
Toxicity	CIT	<0.75	NF X 70-100-1/-2
Fire hazard level R23		HL3	EN 45545-2
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Fire performance NFPA 130			
Flame spread index, smoke density		compliant	ASTM E162
Heat and visible smoke	MJ/kg	31.1	ASTM E1354
Smoke toxicity		compliant	Bombardier SMP 800-C
Weathering performance			
UV resistance	Std.	1000	ASTM G155, Cycle 1
System test			
Pull-out resistance with FLEXAquick	N	100	EN 61386-23
Ingress protection			
Assembled with FLEXAquick		IP 68/69K	IEC 60529

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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
0233.202.006	Black	10.0 1/4	Fine	6.5 0.26	10.0 0.39	13 0.51	35 1.38	0.020 0.01	50 164
0233.202.010	Black	13.0 5/16	Fine	10.0 0.39	13.0 0.51	20 0.79	45 1.77	0.030 0.02	50 164
0233.202.012	Black	15.8 3/8	Fine	12.0 0.47	15.8 0.62	35 1.38	55 2.17	0.035 0.02	50 164
0233.202.014	Black	18.5 7/16	Fine	14.3 0.56	18.5 0.73	40 1.57	65 2.56	0.045 0.03	50 164
0233.202.016	Black	21.2 1/2	Fine	16.5 0.65	21.2 0.83	45 1.77	75 2.95	0.060 0.04	50 164
0233.202.023	Black	28.5 3/4	Fine	23.0 0.91	28.5 1.12	55 2.17	100 3.94	0.100 0.07	50 164
0233.202.029	Black	34.5 1	Fine	29.0 1.14	34.5 1.36	65 2.56	120 4.72	0.125 0.08	25 82
0233.202.036	Black	42.5 1 1/4	Fine	36.0 1.42	42.5 1.67	90 3.54	150 5.91	0.150 0.10	25 82
0233.202.048	Black	54.5 2	Fine	48.0 1.89	54.5 2.15	100 3.94	190 7.48	0.220 0.15	25 82
0233.232.016	Black	21.2 1/2	Coarse	15.5 0.61	21.2 0.83	45 1.77	75 2.95	0.060 0.04	50 164
0233.232.023	Black	28.5 3/4	Coarse	22.0 0.87	28.5 1.12	55 2.17	100 3.94	0.090 0.06	50 164
0233.232.029	Black	34.5 1	Coarse	27.5 1.08	34.5 1.36	65 2.56	120 4.72	0.115 0.08	25 82
0233.232.036	Black	42.5 1 1/4	Coarse	35.5 1.40	42.5 1.67	90 3.54	150 5.91	0.130 0.09	25 82
0233.232.048	Black	54.5 2	Coarse	47.0 1.85	54.5 2.15	100 3.94	190 7.48	0.200 0.13	25 82
0233.201.006	Gray	10.0 1/4	Fine	6.5 0.26	10.0 0.39	13 0.51	35 1.38	0.020 0.01	50 164
0233.201.010	Gray	13.0 5/16	Fine	10.0 0.39	13.0 0.51	20 0.79	45 1.77	0.030 0.02	50 164
0233.201.012	Gray	15.8 3/8	Fine	12.0 0.47	15.8 0.62	35 1.38	55 2.17	0.035 0.02	50 164
0233.201.014	Gray	18.5 7/16	Fine	14.3 0.56	18.5 0.73	40 1.57	65 2.56	0.045 0.03	50 164
0233.201.016	Gray	21.2 1/2	Fine	16.5 0.65	21.2 0.83	45 1.77	75 2.95	0.060 0.04	50 164
0233.201.023	Gray	28.5 3/4	Fine	23.0 0.91	28.5 1.12	55 2.17	100 3.94	0.100 0.07	50 164
0233.201.029	Gray	34.5 1	Fine	29.0 1.14	34.5 1.36	65 2.56	120 4.72	0.125 0.08	25 82
0233.201.036	Gray	42.5 1 1/4	Fine	36.0 1.42	42.5 1.67	90 3.54	150 5.91	0.150 0.10	25 82
0233.201.048	Gray	54.5 2	Fine	48.0 1.89	54.5 2.15	100 3.94	190 7.48	0.220 0.15	25 82

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