

Technical Data Sheet

ROHRflex-PA 12-D

ROHRflex corrugated plastic tubings

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

Temperature: -50°C ... +100°C ^ +130°C
-58°F ... +212°F ^ +266°F

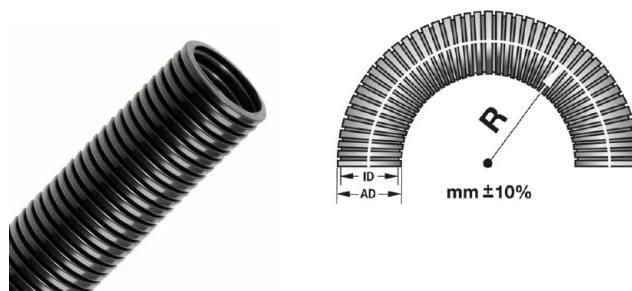
Material: PA 12 plastics

Characteristics:

- High alternate bending strength
- Improved insulation properties
- Air and liquid tight
- Oil and benzine resistant
- Widely resistant to acids and solvents
- Free of silicone, cadmium, halogen
- Self-extinguishing
- Flame retardant
- Excellent UV-resistance

Applications:

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



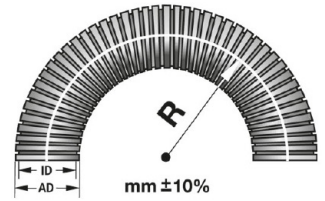
Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression	N	320	EN 61386-23
Resistance to bending		flexible	EN 61386-23
Resistance to impact (-45C)	J	2	EN 61386-23
Resistance to reversed bending		5,000	EN 61386-23
Average reversed bending stress		>1,000,000	WN-1003
Flame characteristics			
Free of halogen and phosphor		yes	DIN 53474
Flame class		V2	UL 94
Resistance to flame propagation		non flame propagating	EN 61386-23
Light emitting filament check	C	850	EN 60695-2-1/0
Railway EN 45545-2			
Fire hazard level R22 and R23		HL2	EN 45545-2
Oxygen index	%	>28	ISO 4589-2
Smoke density	DS max.	>300	EN ISO 5659-2
Toxicity	CIT	<0.09	NF X 70-100-1/-2
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Weather performance			
UV-resistance	Std.	1,000	ASTM G155, Cycle 1
System test			
Pull-out resistance with FLEXAquick	N	250	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
0258.202.006	Black	10.0 1/4	Fine	6 0.24	10 0.39	15 0.59	35 1.38	0.023 0.02	50 164
0258.202.010	Black	13.0 5/16	Fine	9.5 0.37	13 0.51	25 0.98	45 1.77	0.032 0.02	50 164
0258.202.012	Black	15.8 3/8	Fine	11.5 0.45	15.8 0.62	35 1.38	55 2.17	0.039 0.03	50 164
0258.202.016	Black	21.2 1/2	Fine	16 0.63	21.2 0.83	50 1.97	85 3.35	0.073 0.05	50 164
0258.232.016	Black	21.2 1/2	Fine	15 0.59	21.2 0.83	50 1.97	112 4.41	0.079 0.05	50 164
0258.232.023	Black	28.5 3/4	Coarse	21.5 0.85	28.5 1.12	60 2.36	120 4.72	0.12 0.08	50 164
0258.232.029	Black	34.5 1	Coarse	27 1.06	34.5 1.36	70 2.76	140 5.51	0.168 0.11	25 82
0258.232.036	Black	42.5 1 1/4	Coarse	35 1.38	42.5 1.67	80 3.15	170 6.69	0.19 0.13	25 82
0258.232.048	Black	54.5 1 1/2	Coarse	46.5 1.83	54.5 2.15	100 3.94	190 7.48	0.24 0.16	25 82

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