

Properties of halogenfree UNIVOLT Rigid Conduits

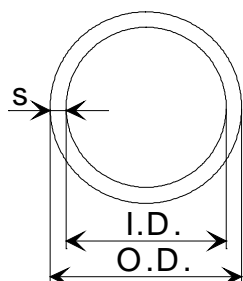
acc. to EN 50086-2-1

Type HFIR, light gauge, class. 2243, colour lightgrey



Nominal Sizes, Types and Dimensions

(All dimensions in mm)



Type	HFIR Light Gauge, 320 N			
Nominal Size	O.D.	+/-	I.D. (min)	s (typical)
16	16.0	+0/-0.3	13.7	1.0
20	20.0	+0/-0.3	17.4	1.1
25	25.0	+0/-0.4	22.1	1.2
32	32.0	+0/-0.4	28.6	1.3
40	40.0	+0/-0.4	35.8	1.5
50	50.0	+0/-0.5	45.1	1.8

Material: HFT-Blend grey, halogenfree acc. to IEC 754-1

Typical Properties

Property	Unit	HFIR
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Physical Properties

Specific density	g/cm ³	1.15
Modulus of elasticity	N/mm ²	2400
Elongation at break	%	30
Water absorption	%	0.15

Electrical Properties

Dielectric strength	kV/mm	25
Dielectric constant (E 800Hz)	-	2.8

Fire behaviour

acc. to IEC 614	-	Non flamepropagating
acc. to EN 50086	-	Non flamepropagating
acc. to BS 6099	-	Non flamepropagating
Oxygen Index	%	31
Fire behaviour acc. to NF16102/102	-	F2

Thermal Properties

Temperature resistance	°C	+105
Cold impact resistance	°C	-25
Coefficient of thermal expansion	m/m/°C	0.7 x 10 ⁻⁴

Mechanical Properties

Cold impact at -25°C	J	>1
Compression strength	N/5cm	>320

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All figures refer to standardized test samples and are given to our best knowledge but without further commitment. It is Dietzel's belief that information set forth in this Data Sheet is accurate, Dietzel makes no warranty, expressed or implied, with respect thereto and disclaims any liability from reliance thereon.

31/01/02

