

DERAY®-V 25

Diesel resistant elastomeric heat shrink tubing, suited for protecting components in air and space travel as well as for military applications



Features

- Flexible
- Flame retardant
- High abrasion and cut resistance
- Long term resistance to diesel, hydraulic fluids and chemicals
- Meets MIL - DTL - 23053/16
- Continuous Operating Temperature: -75°C to 150°C
- Shrink Temperature: 180°C



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black		Black		Lengths 1.22 m
mm	IN	mm	mm	Spool Length	Style*	Spool Length	Style*	
3,2	1/8	1,6	0,80	300	o	50	o	-
4,8	3/16	2,4	0,90	300	o	50	o	-
6,4	1/4	3,2	1,00	300	o	50	o	-
9,5	3/8	4,8	1,10	150	o	50	o	-
12,7	1/2	6,4	1,30	100	o	30	o	-
19,0	3/4	9,5	1,50	50	-	30	-	-
25,4	1	12,7	1,90	50	-	30	-	-
38,0	1 1/2	19,0	2,50	50	-	15	-	-
51,0	2	25,4	3,10	50	-	-	-	-
76,0	3	38,0	3,30	25	-	-	-	-

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	20 MPa
Elongation	IEC 60684-2	520%
Longitudinal Change	ASTM-D 2671	± 10% max.
Secant Modulus	ASTM-D 882	30 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,5 g/cm ³
Elongation after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	220%
Tensile Strength after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	13 MPa
Heat Shock (4 hrs at 215°C)	IEC 811-1-2	passed
Tensile Strength after Heat Shock (4 hrs at 215°C)	IEC 811-1-2	12 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -75°C
Flammability	UL 224	flame retardant

Standard Colours	Special Colours
black	On Request

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	22 kV/mm*
Volume Resistivity	VDE 0303 Part 3	10 ¹² Ω x cm

*thickness dependent, min. 12 kV/mm.

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		good
Water Absorption	VDE 0472	1,10%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-V 25 1/2" black, 900 mtr., 30m-spool, printed