



DERAY®-RKS – ADHESIVE LINED CROSSLINKED POLYOLEFIN

Adhesive lined heat shrink specifically designed to insulate, seal and protect anti-twist safe guards and tubular connectors.

FEATURES AND BENEFITS

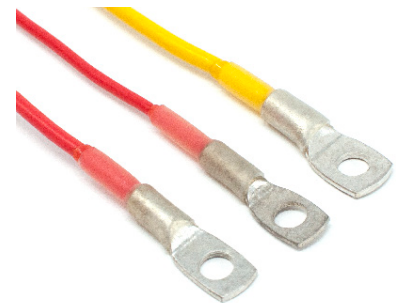
- Seals and protect against water, moisture and chemicals
- Thin wall thickness to cover the special application range
- No milking of the objects due to modified adhesive
- Shrink ratio: >3:1
- Continuous operating temperature: -40°C to 125°C
- Shrink temperature 125°C min.

STANDARDS

- VW 60360-3

TYPICAL APPLICATIONS

- Anti-twist safe guards
- Tubular cable lugs



>3:1
SHRINK RATIO

-40°C to 125°C
(-40°F to 257°F)
CONTINUOUS OPERATING
TEMPERATURE

MARKETS:

Automotive, Industrial

STANDARDS:



Adhesive lined crosslinked polyolefin

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				DELIVERY UNITS	
	Internal Diameter (min) D		Internal Diameter (max) d		Total Wall Thickness (nom) W		Cut Lengths	
	MM	IN	MM	IN	MM	IN	MM	IN
1	6.3	0.248	2.0	0.078	1.05	0.041	35	1.37
2	8.3	0.326	2.0	0.078	1.05	0.041	35	1.37
3	10.8	0.425	3.1	0.122	1.60	0.062	35	1.37
4	18.0	0.708	4.2	0.165	2.0	0.078	40	1.57



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Color: Clear (CL)
- Please specify the product name, order number and options you require
- *Example:* DERAY®-RKS 1, clear

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.

FOR FURTHER INFORMATION, PLEASE CONTACT:

Americas: 800 422 6872

Canada: 800 845 6808

Asia Pacific: +86 512 82280099

Europe: +49 2226 9047 355

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Adhesive lined crosslinked polyolefin

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	Polyolefin, modified, free of lead, chromium VI, mercury and	n/a
Surface	smooth	n/a
Specific gravity	1.0 g/cm ³ max.	ASTM-D 792, A-I
Shrink ratio	4:1	n/a
Longitudinal shrinkage	-10 % max.	ASTM-D 2671
Mechanical		
Tensile strength	15 MPa	IEC 60684-2
Elongation	400%	IEC 60684-2
Secant modulus	175 MPa max.	ASTM-D 882
Thermal		
Tensile strength after Thermal ageing (168 h at 160°C)	14 MPa	IEC 811-1-2
Elongation after Thermal ageing (168 h at 160°C)	400%	IEC 811-1-2
Tensile strength after Thermal shock (4 h at 200°C)	15 MPa	IEC 811-1-2
Elongation after Thermal shock (4 h at 200°C)	370%	IEC 811-1-2
Cold bend test	does not break at -40°C	ASTM-D 2671 Meth. C
Combustion behaviour	passed	FMVSS 302
Shrink temperature	125°C to 200°C	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-40°C to 125°C	IEC 216
Chemical		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
Resistance against chemicals	good	n/a
Water absorption	0.50%	VDE 0473
Electrical		
Dielectric strength	20 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 ¹⁴ Ω x cm	VDE 0303 Part 3

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