

DERAY-MTSR

Thin Wall Crosslinked Polyolefin

DERAY-MTSR

Flattened Heat shrinkable identification sleeve with high shrink ratio



Features

- Flexible
- High shrink ratio
- Flame retardant
- Resistance to common fluids and solvents
- SAE-AMS-DTL-23053/5 class 1+2
- SAE AS81531 4.6.2 MIL-STD-202F Method 215J
- Continuous Operating Temperature: -55°C to 135°C
- Shrink Temperature: 90°C



Single Wall

Flame retardant

3:1 Shrink Ratio

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Dimensions

REFERENCE	EXPANDED		RECOVERED		DELIVERY UNITS
	Internal Diameter (min) mm	Internal Diameter (max) D mm	Internal Diameter (max) d mm	Wall Thickness (nom) w mm	
MTSR 1,6	1,6	0,5	0,45		Meter 135
MTSR 3,2	3,2	1,0	0,55		135
MTSR 4,8	4,8	1,5	0,60		70
MTSR 6,4	6,4	2,0	0,65		70
MTSR 12,7	12,7	4,0	0,75		45
MTSR 19,0	19,0	6,0	0,85		25
MTSR 25,4	25,4	8,0	1,00		25
MTSR 39,0	39,0	13,0	1,15		25

Technical Data

Physical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Tensile Strength	IEC 60684-2	17 MPa	20 MPa
Elongation	IEC 60684-2	500%	550%
Longitudinal Change	ASTM-D 2671	±10% max.	±10% max.
Secant Modulus	ASTM-D 882	175 MPa	175 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,3 g/cm ³	1,0 g/cm ³
Elongation after Heat Aging (168 hrs at 175°C)	ASTM-D 2671	300%	500%
Tensile Strength after Heat Aging (168 hrs at 175°C)	ASTM-D 2671	13 MPa	18 MPa
Elongation after Heat Shock (4hrs at 250°C)	ASTM-D 2671	No cracking or flowing	No cracking or flowing
Tensile Strength after Heat Shock (4hrs at 250°C)	IEC 811-1-3	19 MPa	15 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C UL 224 (coloured) UL 224 (clear)	does not break at -55°C	does not break at -55°C
Flammability	FMVSS 302 (clear)	flame retardant	passed

Electrical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Dielectric Strength	VDE 0303 Part 2	24 kV/mm	24 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁶ Ω x cm	10 ¹⁶ Ω x cm

Chemical

Property	Test Method	Typical Performance Coloured	Typical Performance Clear
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive	non-corrosive
Chemical Resistance		good	good
Water Absorption	VDE 0472	0,20%	0,20%

Standard Colours

Yellow/White

Other colours on request

All information is believed to be reliable. We advise however that customers should separately evaluate the suitability of our products for their particular application.