

WRS�D

Heat Shrink Neoprene Tube



- Made of cross linked chlorinated polyolefin.
- Resistant to most fluids and solvents, including aviation and ground-vehicle fuels, lubricating oil, and hydraulic fluids.
- Good flexibility at low temperature.
- Resistant to abrasion and physical abuse while providing flexibility and strain relief.
- Performance meets requirements of SAE-AMS-DTL-23053/1.
- Widely used for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the military and aerospace.
- Especially suitable for applications requiring exposure to fluids and solvents at elevated temperatures.
- RoHS compliant.
- Shrink temperature: start at 90°C, and fully recovered at 130°C.
- Standard color: black.

Technical Data

Property	Test Method	Standard Value
Tensile Strength	ASTM D 412	≥10.3MPa
Elongation at Break	ASTM D 412	≥225%
Tensile Strength at 200% elongation	ASTM D 412	≤10.3MPa
Tensile Strength After Aging (120°C, 168hrs)	SAE-AMS-DTL-23053	≥8.3MPa
Elongation at Break After Aging (120°C, 168hrs)	SAE-AMS-DTL-23053	≥175%
Dielectric Strength	ASTM D 2671	≥11.8kV/mm
Volume Resistivity	ASTM D 876	≥1x10 ¹¹ Ω.cm
Flammability (Self extinguishing 15 seconds;3 inches)	ASTM D2671,Procedure A	Pass
Fungus resistance	ASTM G 21	No growth
Low temperature flexibility	-70°C,4 hrs	No cracking

Selection Table

Product No.	As Supplied /mm	Recovered/mm	
		Inner Diameter	Wall thickness
WRS�D-3.2/1.5	≥3.2	≤1.5	0.7±0.2
WRS�D-4.8/2.5	≥4.8	≤2.5	0.8±0.2
WRS�D-6.4/3.4	≥6.4	≤3.4	0.9±0.2
WRS�D-9.5/5.4	≥9.5	≤5.4	1.0±0.2
WRS�D-12.7/7.1	≥12.7	≤7.1	1.2±0.3
WRS�D-16/8.7	≥16	≤8.7	1.3±0.3
WRS�D-19.1/10.5	≥19.1	≤10.5	1.4±0.3
WRS�D-22.2/12.5	≥22.2	≤12.5	1.7±0.3
WRS�D-25.4/14.5	≥25.4	≤14.5	1.8±0.3
WRS�D-31.8/18.0	≥31.8	≤18.0	2.2±0.3
WRS�D-38.1/21.5	≥38.1	≤21.5	2.4±0.3
WRS�D-44.5/24	≥44.5	≤24.0	2.4±0.3

**Wall thickness will be less when shrinkage is restricted.