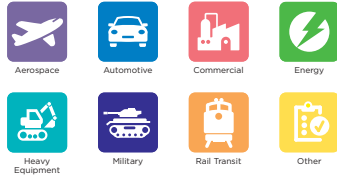


Rapid reference



**Applications:**

- Wire identification
- Wire protection
- Diesel resistance
- Strain relief
- Abrasion Protection

**Product Features:**

- 3:1 shrink ratio
- Operating temperature range -55°C to +135°C and up to 200°C for short durations
- Pre-cut design allows for quick kitting
- Colors - white.  
Others by request



**Recommended Printer & Ribbon:**

Printer - Sumitag Marking Systems  
Ribbon - Sumimark SM3 Super Ribbon

**Print Performance:**

Adherence: SAE-AS5942  
MIL-STD-202G, Method 215

# DRS

## Diesel Resistant

### 3:1 Shrink Ratio

### Flexible Polyolefin

Page 1 of 4



**Product Overview**

Sumitag DRS is an irradiation cross-linked UV stabilized, 3:1 shrink ratio, printable polyolefin. Ideally used where resistance to organic fluids, common fuels, lubri-cants and solvents properties are required. Typically used in mass transit, aerospace, marine and industrial applications. When used in conjunction with the Sumitag Marking System, Sumitag DRS tubing provides mil-spec mark permanence with crisp text for easy identification of wires.

**How can we help?** Contact us for more information:

800 758 3515  
customerservice@seipusa.com  
www.seipusa.com

**Technical Specifications:**  
RoHS/RoHS2 Compliant

# DRS Diesel Resistant 3:1 Shrink Ratio Flexible Polyolefin

	Property	Test Method	Value
<b>Physical Properties</b>	Operating temperature		-55 °C to +135 °C
	Min. shrink temp for full recovery	Shrink Curve	130 °C
	Tensile strength (psi)	ASTM D638	2000 min.
	Elongation (%)	ASTM D638	200 min.
	Specific gravity	ASTM D792	1.35 max.
	Low temperature flex (-55 <sup>U</sup> C)	SAE AS23053	no cracking
	Heat shock (250 ° C, 4 hrs)	SAE AS23053	no cracking
	Heat resistance (175 °C, 168 hrs)		
	Elongation (%)	ASTM D638	100 min.
	Secant modulus (psi)	ASTM D882)	2.5 x 10 <sup>4</sup> min.
<b>Electrical Properties</b>	Longitudnal change (%)	SAE AS23053	+5, -15
	Dielectric strength (volts/mil)	ASTM D876	500 min.
<b>Chemical Properties</b>	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 <sup>14</sup> min.
	Corrosion (175 °C, 16 hrs)	SAE AS23053	no corrosion
	Water absorption (%)	ASTM D570	0.5 max.
	Fluid resistance, SAE AS23053 fluids		
	Tensile strength (psi)	SAE AS23053	1000 min.
	Flammability	SAE AS23053	pass

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## DRS Diesel Resistant 3:1 Shrink Ratio Flexible Polyolefin

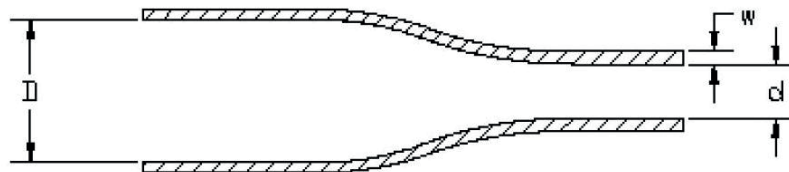
**Standard Sizes:**

Please see table to the right for standard sizes.

Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)	
	inch	mm	inch	mm	inch	mm
1/8	.125	3.20	.043	1.10	.024	0.60
3/16	.188	4.80	.063	1.60	.026	0.65
1/4	.250	6.40	.083	2.10	.028	0.70
3/8	.375	9.50	.122	3.10	.031	0.80
1/2	.500	12.7	.165	4.20	.033	0.85
3/4	.750	19.1	.248	6.30	.039	1.00
1	1.00	25.4	.327	8.30	.048	1.20
1.5	1.50	38.1	.500	12.7	0.50	1.30

**Dimensional Information:**

Please refer to diagram to the right for dimensions.



**We can help:** 800 758 3515 customerservice@seipusa.com www.seipusa.com

# DRS Diesel Resistant 3:1 Shrink Ratio Flexible Polyolefin

**Standard Sizes and Packaging:**

Please see table to the right for standard sizes and packaging. Custom sizes and colors are available with minimum order quantities.

**Standard Package:**

Box package. Pieces on roll.

**Standard Colors:**

White. Other colors available per factory quote and acceptance.

**How to Order:**

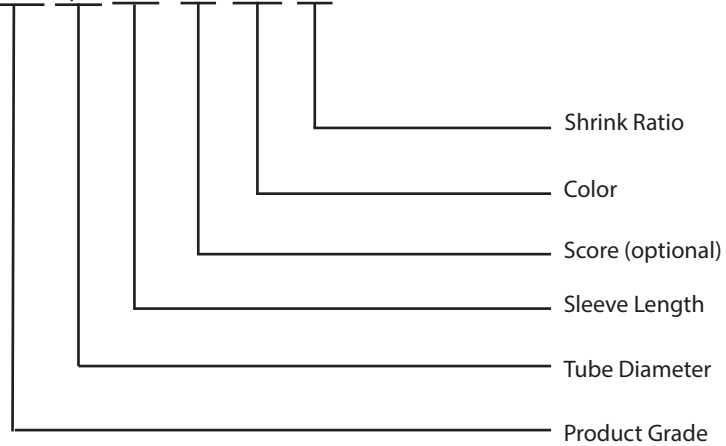
Example: DRS-1/4-2.0-S1-WE-3X

Size	0 Score	1 Score	3 Scores
1/8"	1000	2000	4000
3/16"	1000	2000	4000
1/4"	1000	2000	4000
3/8"	500	1000	2000
1/2"	500	1000	2000
3/4"	500	1000	2000
1"	300	600	1200



Part Numbering

DRS-1/4-2.0-S1-WE-3X



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