DWH Automotive wiring harness hot-melt glue heat shrinkable sleeve

(Rigid wear resistant polyolefin outer cover)

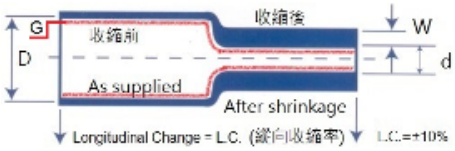
Applications

- Made of semi-rigid polyolefin and hot-melt glue, providing waterproof and insulating protection of wiring harness of automobile and electronic equipment.
- With high magnification shrinkage, it can be used as waterproof protection for multiple wire harness, wire and connector connection parts, etc.
- Operating temperature: -50°C ~ 135°C
- Compairable to TE Raychem and DSG-CANUSA

Characteristics

- High Shrink Ratio 5:1
- 20% glue increased providing excellent sealing protection
- Minimum fully recovery temperature: 110℃ ~135℃
- Meets RoHS requirement
- Meets SAE-AMS-DTL-23053/4 requirement
- Excellent properties of mechanical /chemical / weather resistance / electrical
- Additional colours and sizes are available on request

Specifications



Sure-Seal Part Number	As supplied (mm) (D) I.D. (min)	After shrinkage (mm) (d) I.D. (max)	(G) Hot-melt glue thickness (nominal)	(W) W.T. (nominal)	Standard Length (M)
IPACC-DWH-1	4	≤1.1	Clogged	≥1.2	100
IPACC-DWH-2	6	≤1.5	Clogged	≥1.45	100
IPACC-DWH-3	8	≤2.0	Clogged	≥1.65	1.22/100
IPACC-DWH-4	10	≤2.5	Clogged	≥1.90	1.22/50
IPACC-DWH-5	14	≤3.5	Clogged	≥2.25	1.22/50
IPACC-DWH-6	18	≤4.5	Clogged	≥2.40	1.22/50
IPACC-DWH-7	20	≤4.5	Clogged	≥2.50	1.22/50
IPACC-DWH-8	25	≤6.0	≥1.50	≥2.60	1.22
IPACC-DWH-9	33	≤8.0	≥1.60	≥2.70	1.22
IPACC-DWH-10	40	≤12.0	≥1.70	≥2.90	1.22

Technical data

	Specification Requirement	Test Method	Typical value*
Physical Properties	Tensile strength	10.3Mpa min.	≥13.5Mpa
	Elongation at break	ASTM D 2671	≥400% min.
	Heat Shock (250°C, 4hrs)	ASTM D 2671	Qualified
	Low temperature Flexibility (-55°C, 4hrs)	ASTM D 2671	Qualified
	Longitudinal shrinkage	UL224	±10%
	Seal Test	IPX 8	PASS
Electrical	Voltage withstand (2500V, 60 Sec)	ASTM D 2671	Qualified
	Volume resistivity	ASTM D 876	≥1014Ω.cm min
Chemical properties	Flammability (Clear flammability)	UL224	Self-extinguishing within 30 seconds
	Japan Railway Rolling Stock & Machinery Association.	2018-1074K	Flame retardant
	Tensile strength and Elongation at break after aging (175°C, 168 hrs)	100% min.	≥300%
	Copper corrosion	ASTM D 2671	Qualified
	Motor oil, Brake oil, Engine coolant, Lubricating oil (30°C)	Soak 30-day ASTM D 471	Normal / Qualified
	Strong acidity, Strong alkaline	Soak 30-day ASTM D 471	Normal / Qualified

	Specification Requirement	Test Method	Typical value*
Physical Properties	Softening Point	ASTM D E28	105°C
	Water absorption rate	ASTM D 570	<0.5%
	Peeling strength (PE)	ASTM D 1000	≥120N/25mm
	Peeling strength (Al)	ASTM D 1000	≥80N/25mm
	Melt viscosity	JTJ 052-T0625	60750mpa.s

*Experimental data is for reference only and accuracy cannot be guaranteed.