

For detailed Information on  
**Heatshrink Tools**  
 please refer to chapter  
 application tools page 0000.



**Adhesives for moulded parts**

The newly developed W24 epoxide resin adhesive can be used in the temperature range from -75 °C to +200 °C. The moulded parts are factory-coated with W24 adhesive. In combination with the material G, i.e. as GW24, the adhesive has approval to VG 95343, Part 18 and Part 19.

The V9500 two-component adhesive with approval to VG 95343 Part 15 can be supplied in 50g cartridges for the practical P9500 dispensing guns (see page 203).

Lining with hot melt and epoxy adhesive for our range of materials on request. The LFH material H is lined with W21 (LFH) hot melt adhesive.

Material specifications

Description	G*	B7	H	L	-9
<b>Material</b>	Polyester elastomer cross-linked (PEEX)	Polyolefin, Chemically cross linked (POX)	Polyolefin, Cross-linked (POX)		
<b>Colour</b>	Black (BK)	Black (BK)	Black (BK)	Black (BK)	Black
<b>Minimum Shrink Temperature (Metric)</b>	+135 °C	+135 °C	+135 °C	+135 °C	+100 °C
<b>Operating Temperature</b>	-75 °C to +150 °C	-55 °C to +135 °C , Intermittent +225 °C	-55 °C to +105 °C	-55 °C to +200 °C	-55 °C to +120 °C
<b>Dielectric Strength (metric)</b>	14kV/mm according to ASTM D2671	16 kV/mm	15 kV/mm	9 kV/mm to ASTM D2671	20 kV/mm to ASTM D2671
<b>Flexibility</b>	Semi rigid	Semi rigid	Flexible	Flexible	Flexible
<b>Flammability</b>	VG 95343	ASTM D635	VG 95343	ASTM D635	ASTM D635
<b>Specification</b>	VG 95343 Part 6, 7, 8, 9 DEF STAN 59-97 / 3	MIL-I-81765/1 Type 1 DEF STAN 59-97 / 3	VG 95343 part 29, 30 NAVSEA 5617649 DEF STAN 59-97/3	DEF STAN 59-97/3 MIL-I-81765/4	SCX15112

\* standard material



### Helashrink 100 Series

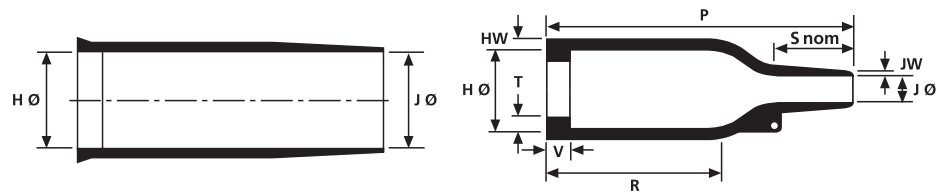
Straight plug-and-socket connector terminal casing. This style is used in conjunction with circular grooved adaptor, providing protection against environmental stresses. The inside lip has been designed to provide extra reinforced stress relief. Special fitting 199-4-G for audio plugs has external ribs for an improved grip.



Recovered 199-4-G, VG style shape for small audio connectors with external ribs for improved grip.



150 series boot recovered on to connector.



Technical Table

Article-No.	Type	H min a	H max b	J a	J b	P ± 10%	R ± 10%	S ± 10%	S nom	HW ± 20%	JW ± 20%	V ± 10%	T ± 10%	T ± 20%
401-13180	113-1-G	10.7	7.9	4.6	2.0	25.4	14.5	4.6	—	1.3	1.0	—	—	1.0
401-13480	113-4-G	10.7	7.9	4.6	2.0	25.4	14.5	4.6	4.6	1.3	1.0	3.0	—	1.0
401-52041	152-41-G	24.0	10.5	24.0	6.0	26.0	9.0	—	10.0	1.6	0.5	3.0	—	1.0
401-52043	152-42-G	24.0	10.5	24.0	6.0	38.0	21.0	—	10.0	1.6	0.5	3.0	—	1.0
401-53024	153-41-G	25.0	14.0	9.0	3.5	40.0	13	—	16.0	1.8	0.5	3.0	—	1.0
401-53028	153-42-G	25.0	14.0	9.0	3.5	55.0	28	—	16.0	1.8	0.5	3.0	—	1.0
401-54043	154-41-G	30.0	14.0	30.0	6.0	43.0	20	—	1.0	1.8	1.0	3.0	—	1.0
401-54045	154-42-G	30.0	14.0	30.0	6.0	55.0	32.0	—	13.0	1.8	1.0	3.0	—	1.0
401-55041	155-41-G	31.0	18.0	31.0	7.0	47.0	15.0	—	18.0	1.8	1.0	3.0	—	1.0
401-55043	155-42-G	31.0	10.5	31.0	7.0	67.0	35.0	—	18.0	1.8	1.0	3.0	—	1.0
401-56042	156-41-G	36.0	22.5	36.0	8.5	60.0	22.0	—	20.0	2.0	1.0	3.0	—	1.0
401-56045	156-42-G	36.0	22.5	36.0	8.5	80.0	42.0	—	20.0	2.0	1.0	3.0	—	1.0
401-57055	157-41-G	43.0	28.0	43.0	10.0	60.0	21.0	—	20.0	2.2	1.0	3.0	—	1.7
401-57057	157-42-G	43.0	28.0	43.0	10.0	79.0	41.0	—	20.0	2.2	1.0	3.0	—	1.7
401-57059	157-43-G	43.0	28.0	43.0	10.0	99.0	61.0	—	20.0	2.2	1.0	3.0	—	1.7
401-58033	158-41-G	60.0	35.0	60.0	16.0	90.0	32.0	—	38.0	3.2	1.5	3.0	—	1.7
401-58034	158-42-G	60.0	35.0	60.0	16.0	110.0	52.0	—	38.0	3.2	1.5	3.0	—	1.7
401-58035	158-43-G	60.0	35.0	60.0	16.0	130.0	72.0	—	38.0	3.2	1.5	3.0	—	1.7
401-59021	159-41-G	66.0	45.0	66.0	17.0	130.0	50.0	—	50.0	3.8	2.0	3.0	—	2.0
401-59022	159-42-G	66.0	45.0	66.0	17.0	150.0	70.0	—	50.0	3.8	2.0	3.0	—	2.0
401-59023	159-43-G	66.0	45.0	66.0	17.0	171.0	90.0	—	50.0	3.8	2.0	3.0	—	2.0
401-60004	160-41-G	82.0	58.0	82.0	27.0	137.0	37.0	—	62.0	3.8	3.8	3.0	—	2.0
401-60005	160-42-G	82.0	58.0	82.0	27.0	158.0	58.0	—	62.0	3.8	3.8	3.0	—	2.0
401-60006	160-43-G	82.0	58.0	82.0	27.0	213.0	113.0	—	62.0	3.8	3.8	3.0	—	2.0
401-99003	199-4-G	17.5	14.0	7.0	4.3	70.0	35.0	—	20.0	1.8	0.5	1.5	—	1.0

All Dimensions in mm. Subject to technical changes.

These moulded shapes are also available in various materials from our range, eg, B7, H, L and J on request.

In addition, the moulded shapes can also be supplied with an inner coating from our range of hot-melt and epoxy adhesives, eg, W24, W1, W8 and WM250.

a As supplied  
b Recovered

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