

mtc's D-shape profiles have a polyurethan foam core which is covered with a conductive copper-nickel (CuNi) coated fabric. The gaskets are fitted with a non-conductive adhesive tape as standard.

The standard portfolio includes a large range of sizes. Customized dimensions can be supplied at low cost. The material can also be cut to the required length or modified to individual needs.

Fabric over foam gaskets are also available in a halogen free version.



Features

Polyurethan foam core; standard hardness value: 45 kg/m³

Excellent shielding effectiveness

Optionally available with adhesive tape with removal aid (WRL)

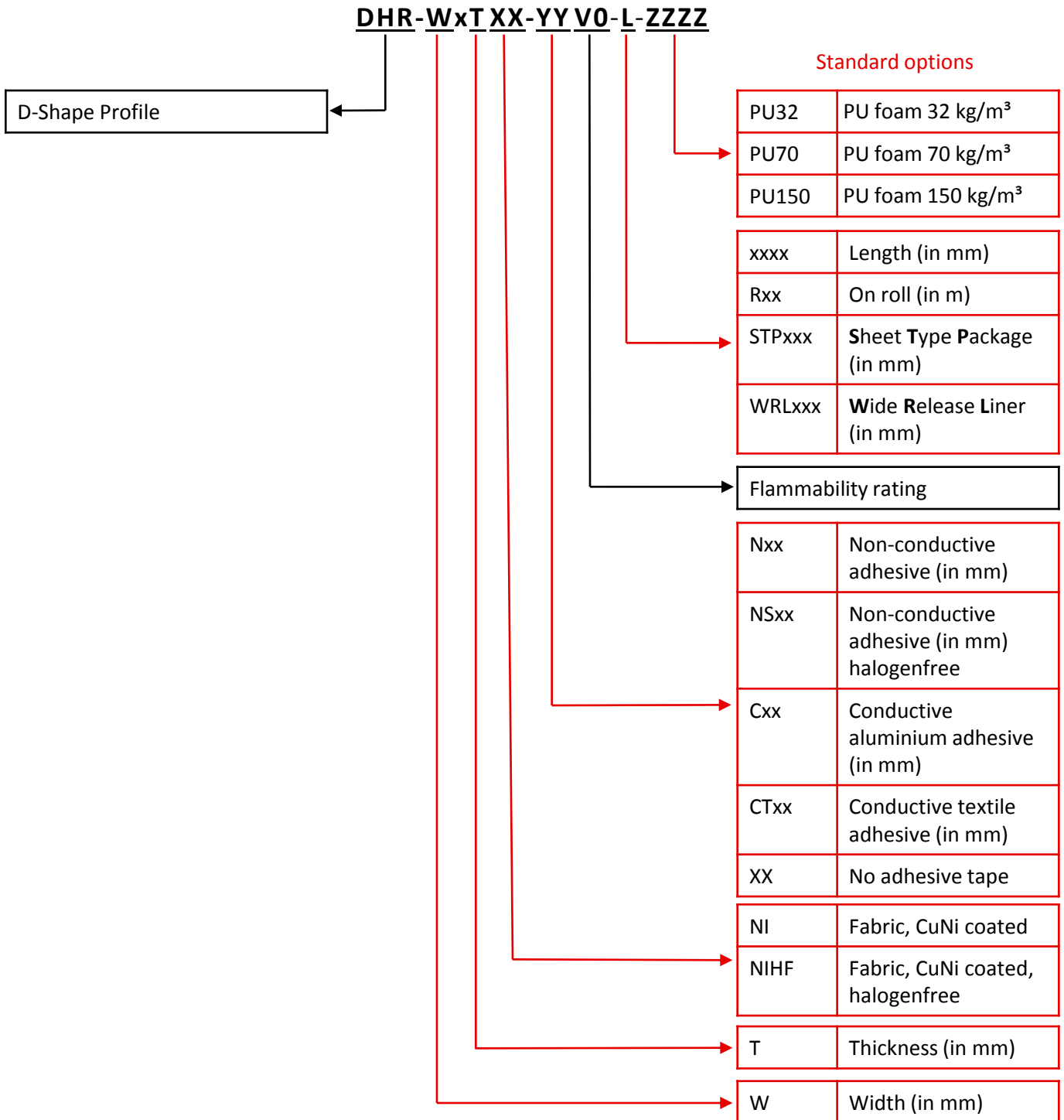
Optionally available with multiple parts on carrier sheet (STP)

Large range of standard sizes ; other dimensions on request

Also available in a halogen free version

Property	Value	Unit	Test method
Basic material	Polyurethan foam core	-	-
Fabric	Conductive fabric (CuNi coated)	-	-
Width (A)	2,0 – 20,0	mm	-
Thickness (B)	1,5 – 18,0	mm	-
Standard length (L)	2.000	mm	-
Hardness value of foam	32, 45, 70, 150	kg/m ³	-
Surface resistance	<0,03	Ω/□	-
Shielding effectiveness	80 – 90	dB @ 100 MHz - 18 GHz	ASTM D-4935-89
Adhesive tape	Non-conductive, conductive	-	-
Width of adhesive tape (C)	Non-conductive: approx. 40% of gasket width recommended Conductive: approx. 80% of gasket width recommended		
Flammability rating	V-0	-	UL 94
Temperature range	-25 – 80	°C	-
Storage temperature	20	°C	-
Storage humidity	App. 50; Non-condensing	% rH	-
Shelf life	1	Year	-
Guarantee	6	Months	-

BUILDING AN ITEM NUMBER



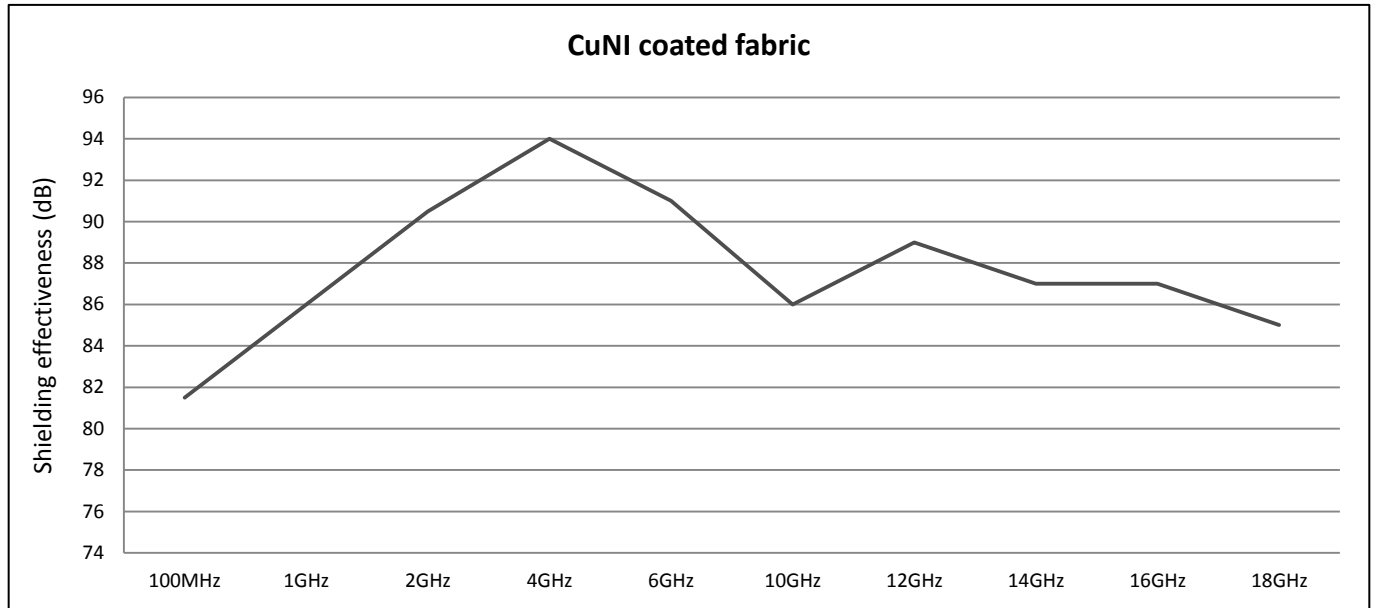
Example: DHR-2x1,5NI-C1,5V0-50-PU150
 D-shape profile; width: 2 mm; thickness: 1,5 mm; fabric, nickel coated; conductive adhesive: 1,5 mm; UL 94 V-0; length: 50 mm; PU foam 150 kg/m³

TOLERANCES

Width and height (mm)	Tolerance (mm)
0,5 – 6,3	± 0,5
6,3 – 10,0	± 0,7
10,0 – 16,0	± 0,8
16,0 – 25,0	± 1,0
25,0 – 40,0	± 1,3
40,0 – 63,0	± 1,6

Length (mm)	Tolerance (mm)
5 – 150	± 0,8
151 – 300	± 1,3
301 – 1.200	± 2,5
1.201 – 1.750	± 4,7
1.750 – 2.300	± 6,4

SHIELDING EFFECTIVENESS



NOTE

Due to less adhesive power of the conductive adhesive – compared to the non-conductive adhesive – the conductive adhesive is only an assembling aid.