

Material:	HALA-TEC TGF-EUS1000 SI		
Overview:			
TGF-YSP-SI is an electrically insulating thermally conductive very high performance silicone gap filler.			
Description:			
It is ideal for use in applications where a very good thermal transfer over large gaps caused e.g. by big tolerances or different stack up heights must be achieved. Due to the specific formulation and filling with ceramic particles the silicone elastomer has an outstandingly high thermal conductivity. Through its high softness and plasticity the material perfectly mates to irregular surfaces thus filling gaps at low pressure. By its use the total thermal resistance is minimised. The natural tackiness of the material allows for an easy and reliable pre-assembly			
Parameters:			
Characteristics	Units	Value	Test Method
Type		Silicone	
Thickness	mm	1.5	ASTM D374
Thermal Conductivity	W/mK	8.0	ASTM D5470
Hardness	Shore0	40	ASTM D2240
Color		Gray	Visual
Flame Rating	UL 94	V-0	UL 94
Operating Temperature	°C	-40 - 180	Test method operating

Warranty:**Technical data**

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Use of the product

Many factors beyond the control of PERLON, spol. s r.o. and known only to the user may affect the use and performance of materials in a particular application. Therefore, we recommend that the customer perform their own tests of the suitability and performance of the material for their application and to a responsible extent for reliable results. As a result, the customer is solely responsible for evaluating the product and determining if it is suitable for the customer's application, including evaluating workplace hazards and reviewing all applicable regulations and standards. Failure to properly evaluate, use, or comply with all applicable safety regulations may result in injury, illness, death, and/or property damage if the material and associated safety is not properly evaluated. PERLON, spol. s r.o. makes no warranties of fitness for a particular purpose.

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