

Table 2: Specifications of GORE® SKYFLEX® Aerospace Tapes^a

	Material Sets						
Properties	100 Series	110 Series	200 Series	700 Series	720 Series	730 Series	1600 Series
Mechanical							
AMS3255 (Class/Type)	2/1	1/1	2/1	2/2	5/2	2/2	—
Available Uncompressed Thickness, ^{e,f} mm	0.3, 0.5, 2.0	0.3, 0.5, 1.3, 1.5	1.0, 1.65, 3.17	0.3, 0.5, 0.6, 0.8, 1.0, 1.4	0.4, 0.6, 0.8, 1.1, 1.4	0.3, 0.5, 0.6, 0.8, 1.0, 1.4	0.4
Density ^e g/cm ³	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2	1.65
Popular Widths mm	25, 36, 50, 80	21, 28, 33, 41	25.4, 38.1, 50.8	25, 36, 50, 80	25, 36, 50, 80	25, 36, 50, 80	30, 40, 55, 75
Low-Temperature Flexibility	Passed per AMS3255						—
Storage							
With Adhesive				2 years			
No Adhesive				10 years			
Material	Engineered Polytetrafluoroethylene (ePTFE)						Engineered Fluoropolymer
Color	Gray	White/Gray	White	White	White	White	White
Environmental							
Operating Temperature Range °C (°F)	-73 to +120 ^{d,e} (-100 to +248)	-73 to +120 ^{d,e} (-100 to +248)	-73 to +120 ^{d,e} (-100 to +248)	-73 to +120 ^{d,e} (-100 to +248)	-65 to +177 ^{b,d} (-85 to +350)	-73 to +120 (-100 to +248)	-55 to +120 (-67 to +248)
Chemical Exposure	No degradation ^b					No degradation ^c	No degradation ^c
Flammability	Passed per ABD0031 and FAR 25.853 ^a						
UV Exposure	No degradation						
Environmental Regulation/Disposal	Non-curing and non-hazardous with no special waste handling required. Download safety information available at gore.com/skyflex .						

a. Test method details available upon request.

b. Tested per AMS3255 Fluid and Thermal Stability.

c. Tested and immersed for 14 days in SKYDROL® LD4/500 B4 hydraulic fluids, H-515/H537 hydraulic fluids, O-148/O-156 turbine oils, and AMS 1424 de-icing fluid with no significant change in properties (e.g., swelling, absorption, or material degradation).

d. Operating temperature range is dependent upon adhesive specified.

e. Material without adhesive.

f. Thickness measurements are for reference only.

GORE® SKYFLEX® Aerospace Materials

Tapes and Gaskets

Table 3: Specifications of GORE® SKYFLEX® Aerospace Gaskets

	Material Sets			
Properties	500 Series	520 Series	700 Series	720 Series
Mechanical				
AMS3255 (Class/Type)	4/1	5/1	4/2	5/2
Available Uncompressed Thickness, ^{d,e} mm	0.5, 1.0, 1.6, 2.0, 3.2	0.55, 0.8, 1.4	0.3, 0.5, 0.6, 0.8, 1.0, 1.4	0.4, 0.6, 0.8, 1.1, 1.4
Density ^d g/cm ³	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2	0.4 to 1.2
Maximum Widths mm	1473	1220	482	457
Low-Temperature Flexibility	Passed per AMS3255			
Storage				
With Adhesive	2 years			
No Adhesive	10 years			
Material	Engineered Polytetrafluoroethylene (ePTFE)			
Color	White			
Environmental				
Operating Temperature Range °C (°F)	-73 to +120 ^{d,b,c,d} (-100 to +248)	-65 to +90 ^{b,c,d} (-85 to +194)	-73 to +120 ^{b,c,d} (-100 to +248)	-65 to +177 ^{b,c,d} (-85 to +350)
Chemical Exposure	No degradation ^b			
Flammability	Passed per ABD0031 and FAR 25.853 ^a			
UV Exposure	No degradation			
Environmental Regulation/Disposal	Non-curing and non-hazardous with no special waste handling required. Download safety information available at gore.com/skyflex .			

a. Test method details available upon request.

b. Tested per AMS3255 Fluid and Thermal Stability.

c. Operating temperature range is dependent upon adhesive specified.

d. Material without adhesive.

e. Thickness measurements are for reference only.