

CS Hyde Company

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PRODUCT INFORMATION

15-__HD Skived PTFE Film W/ Silicone Adhesive

PRODUCT DESCRIPTION:

The 15-__HD series are pressure sensitive tapes using a skived and tensilized PTFE film that is coated with high temperature silicone adhesive. The tensilized film provides higher tensile strength, lower elongation and higher dielectric strength than regular skived film.

PERFORMANCE & APPLICATION:

These tapes are used primarily in electrical applications such as coil wraps and separators, transformer, slot liners and harness wrapping where good insulation and heat resistance are needed. They are also used in mechanical applications requiring high temperature resistance and good release properties such as aerospace composites.

TYPICAL PROPERTIES:

	Test Method	15-2HD	15-3HD	15-5HD	15-10HD
Backing Material		PTFE Film			
Film Thickness (in.)		.002	.003	.005	.010
Adhesive System		SILICONE			
Adhesive Thickness (in.)		.0015			
Adhesion (oz/in)	ASTM-D 1000	25	25	30	
Tensile Strength (psi min)	ASTM-D 3759	11,000	13,000	7,500	
Elongation (%)	ASTM-D 3759	100	100	100	
Dielectric Strength (volts/mil)	ASTM-D 149	4,000	3,000	2,700	2100
Max. Operating Temp. (°F)		-100 to 500°F			
U.L. Approval		Approved – Flame Retardant Cold Resistant			
Govt. Specification	Mil-A-A59474- Type-1, Class 1 Superseding 23594C Type 1			Pass	
Width:	1/4" up to 20"				
Length:	36 yards				

*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.