



17 Plyshield®

EPR Shielding Tape

Technical Data Sheet

October 2017

Description and Features	<p>17 Plyshield® is an ethylene propylene rubber based, self-amalgamating and conducting tape. Its unsupported construction makes it ideal for use on power cable where accommodation of expansion and contraction due to load cycling is important. The excellent stretch of 17 Plyshield allows conformability to complex shapes. 17 Plyshield® is compatible with all extruded dielectric cable insulations. Meets ASTM D-4388 Type IV standard.</p> <ul style="list-style-type: none"> • Self-amalgamating Retains • Good conducting properties • Easy to Apply • UV resistance 			
Materials	Backing EPR	Adhesive None	Color Black	Standard Size Width x Length 19 mm x 4,6 m (0.75 in. x 15 ft.) Other sizes available upon request
Technical Properties	Characteristic	Typical Value	Test Method	
	Thickness (mm)	0,76	ASTM D 4325	
	Breaking strength (MPa)	2,0	ASTM D 412	
	Elongation at break (%)	750	ASTM D 412	
	Operating Temperature (°C)			
	Continuous	90	ASTM D 4325	
	Overload	130	ASTM D 4325	
	Water absorption (%)	0,02	ASTM D 570	
	UV Resistance (visual)	Pass	ASTM D 4325	
	Volume Resistivity (Ω)			
	96h @ 23°C, 50% RH	870	ASTM D 4496	
Recommended Uses	<p>For electrostatic shielding on high voltage splices and terminations. Filling indents in compression connectors and rebuilding strand shielding on high voltages splices. Shielding bus and overhead connections.</p>			
Storage	<p>In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.</p>			
Shelf Life	<p>60 months from date of manufacture.</p>			

Information provided is for reference only. Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use

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