

PRODUCT

Code	EkoShield 0.125mm XT-ZRPP	EkoShield 0.25mm XT-ZRPP	EkoShield 0.43mm XT-ZRPP	EkoShield 0.76mm XT-ZRPP	EkoShield 1.5mm XT-ZRPP
Color	Black	Black	Black	Black	Black
Texture	Matte/frosted	Matte/frosted	Matte/frosted	Matte/frosted	Frosted
Thickness	0.125mm	0.25mm	0.43mm	0.76mm	1.5mm
Width	1000mm	1000mm	1000mm	1000mm	Customizable
UL listing	E518337				
Testing	Halogen test passed, Rohs passed (ROHS)				

TECHNICAL DATA

Elongation at break Unit: %, Test standard: ASTM D-882	MD: 650 TD: 577	MD: 754 TD: 703	MD: 463 TD: 468	MD: 537 TD: 415	-
Tensile strength Unit: MPa, Test standard: ASTM D-882	MD: 34 TD: 26	MD: 40 TD: 33	MD: 30 TD: 29	MD: 35 TD: 22	-
Tear strength Unit: N/mm, Test standard: ASTM D-638	45-50	45-50	45-50	45-50	-
Hardness Unit: R-Scale, Test standard: ASTM D-785	61HD	61HD	70HD	61.9HD	69HD
RTI Unit: °C, Test standard: UL746B	115	115	115	115	-
VST Unit: °C, Test standard: ASTM D-1525	148 - 152	148 - 152	130 - 135	130 - 135	-
Surface adhesion Unit: Dynes/cm, Test standard: ASTM D-2578	38	38	38	38	-

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Density Unit: g/cm³, Test standard: ASTM D-792	0.9-0.92	0.95-1.0	0.95-1.0	0.95-1.0	0.97
Breakdown voltage Unit: KV, Test standard: ASTM D-149	≥18KV	≥18KV	≥18KV	≥18KV	≥19KV
Dielectric constant Unit: /, Test standard: ASTM D-150	2.6	2.6	2.6	2.6	-
CTI Unit: V, Test standard: ASTM D-3638	600	600	600	600	-
Volume resistivity Unit: Ω·cm, Test standard: ASTM D-257	3.6×10 ¹⁵	1.63×10 ¹⁵	4.9×10 ¹⁵	5.71×10 ¹⁴	3.25×10 ¹⁶
Surface insulation resistance Unit: Ω, Test standard: ASTM D-257	4.1×10 ¹⁵	1.02×10 ¹⁴	3.62×10 ¹⁴	3.86×10 ¹⁴	1.69×10 ¹⁷
Flame retardant grade Unit: /, Test standard: UL94	VTM-0	VTM-0	V-0	V-0	V-0
Oxygen index Unit: %, Test standard: ASTM D-2863	29	29	29	29	-
Water absorption Unit: %, Test standard: ASTM D-570	0.06	0.06	0.06	0.06	-
FEATURE					
Thickness tolerance	±5%				
Width tolerance	0~+3mm				
Length tolerance	Coiled Material: +3~+5m Sheet: ±2mm				
Storage temperature	20±5, 50±5% RH				
The products storage period	Shelf life: 1 years				