

High Performance Film Based on KYNAR® PVDF

The Extreme Chemical and Weather Resistance Properties of KYNAR® PVDF in a Convenient, Easy-to-Process Film

PHYSICAL PROPERTIES	METHOD	UNITS	301-CUH-HC	502-CUH-HC	252-PGM-TR	302-PGM-TR	352-PGM-HC
Pigmented/Clear			Clear	Clear	Pigmented	Pigmented	Pigmented
Thickness	ISO 4593	µm	30	50	25	30	35
UV blocking			Yes	Yes	Yes	Yes	Yes
Adheflon® adhesive layer			Yes	Yes	No	No	Yes
OPTICAL							
Transmittance (at 560 nm)	ASTM D1003	%	95	95	23	24	32
Haze, total*	ASTM D1003	%	<20	<15	N/A	N/A	N/A
MECHANICAL							
Tensile modulus	ISO 527-3, ASTM D882	MPa	1,800	1,800	1,350	1,900	1,700
Tensile strength		MPa	44	44	60	62	39
Strain at break		%	>150	>150	>150	>150	>150
ELECTRICAL							
Dielectric strength	ASTM D149	kV/mm	100	100	100	100	100
FLAMMABILITY							
Flammability Rating	UL 94				VTM-0	VTM-0	
THERMAL							
Relative Thermal Index, mechanical	UL 746B	°C			150	150	
Relative Thermal Index, electrical	UL 746B	°C			140	150	
ROLL							
Standard roll width		millimeter	1575	1270	1010, 1070, 2045	1010, 1070, 2045	1423, 1880
Standard roll weight		kg	206	271	130, 138, 264	157, 166, 317	248, 327
Standard roll length		meters	3000	3000	3000,6000	3000,6000	3000
Core ID		millimeter	152.4	152.4	152.4	152.4	152.4
Specific gravity	ISO 1183	-	1.46	1.42	1.72	1.73	1.66
Unit weight	ISO 536	g/m ²	43.7	71.1	43.1	51.8	58
Area factor		m ² /kg	22.88	14.1	23	19.33	17.24

* Haze measured with an angle of 2° yielding larger values than the standard 2.5° angle.

** Tensile Modulus measured at 25 mm/min in accordance with test standards.

*** Standard roll weight given for 3000 meter roll length.

CONTACT US AROUND THE WORLD.

Arkema Inc.
900 First Ave.
King of Prussia, PA 19406
Tel: +1 800-KYNAR-50
Fax: +1 610-205-7497

Arkema
420 rue d'Estienne d'Orves
92705 COLOMBES
France
Tel: +33 (0) 1 49 00 80 80
Fax: +33 (0) 1 49 00 83 96

Arkema India Branch Office
Ruby House, 2nd Floor, J. K. Sawant Marg,
Dadar (W), Mumbai 28
Tel: +91 (22) 24387530/500
Fax: +91 (22) 24387550

Arkema (China)
Investment Co. Ltd.
Shanghai Branch
6/F, Block 1, Life Hub@Daning,
1868 Gonghexin Road,
Shanghai 200072, P.R. China.
Tel: +86 (21) 6147 6888 ext. 215
Fax: +86 (21) 6147 6746

Arkema K.K.
Fukoku Seimei Bldg 15F
2-2-2 Uchisaiwaicho
Chiyoda-Ku
Tokyo 100-0011, Japan
Tel: +81 (3) 5251 9917
Fax: +81 (3) 5251 9930

Arkema
7F, Dongsung Building, 17-8,
Yeouido-dong,
Yeongdeungpo-gu,
Seoul, 150-874, KOREA
Tel: +82 (2) 3703 6822
Fax: +82 (2) 3703 6892

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Industrial Plastic Supply 2240 S. Dupont
Drive Anaheim, CA 92806 (866-832-9315)
www.iplasticsupply.com

ARKEMA
INNOVATIVE CHEMISTRY

kynarfilm.com

ArkArkema Inc.
900 First Avenue
King of Prussia, PA 19406 – USA
Tel.: +1 610-205-7000
Fax: +1 610-205-7497
arkema-inc.com

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 (0) 1 49 00 80 80
Fax: +33 (0) 1 49 00 83 96
arkema.com