

Technical Datasheet

ACHILLES VINISTAR FRX + FRX EX

Achilles Vinistar FRX Fire Retardant

Product / Test method				FRX EX 3S 0,5 mm		FRX EX 3S 0,5 mm		FRX EX 3S 0,75 mm		FRX 5S 0,5 mm		FRX 5S 0,5 mm			
				137 cm		183 cm		137 cm		137 cm		183 cm			
Major Items	Medium Items	Verification Items		MD	TD	MD	TD	MD	TD	MD	TD	MD	TD		
Basic Physical Properties	Thickness	Dial Gauge	[mm]	0,50		0,50		0,75		0,50		0,50		ISO 527 mutatis mutandis	
	Total Light Transmittance	Tt	[%]	87,40		87,40		85,88		88,13		88,13		ASTM D1003 mutatis mutandis	
		Haze	[%]	2,04		2,04				1,90		1,90			
	Tensile Test	100% Modulus	[N]	71	63	71	63	59	62	48	42	48	42	ISO 527 mutatis mutandis	
			[MPa]	15	13	15	13	8	8	9	9	9	9		
		Tensile Strength	[N]	147	134	147	134	206	203	124	123	124	123		
			[MPa]	30	27	30	27	27	27	25	25	25	25		
		Elongation	[%]	292	315	292	315	285	286	321	331	321	331		
	Tear Test	Elmendorf	[N]	45	41	45	41	83	77	65	66	65	66	ASTM 1004 mutatis mutandis	
			[N/mm]												
	Heat Dimentional Stability	50°C×10min.	[%]	-1,08	0,00	-1,08	0,00			-1,10	0,10	-1,10	0,10	ASTM D1204 mutatis mutandis	
	Hardness (shore A)		[°C]	85,00		85,00				79,00		79,00		JIS mutatis mutandis	
	Flame Resistance			DIN 4102, part1 (class B1)		DIN 4102, part1 (class B1)		DIN 4102, part1 (class B1)		M2 level		M2 level			
	Weather Resistance			500		500		500		500		500		ASTM D1499 mutatis mutandis	

Product features

- * Calendered
- * Reach compliant
- * Made in Japan / USA
- * Proven field performance
- * UV stabilised - Little discolouration
- * High Clarity - Transparency
- * **DIN 4102-B1 Certificate (Germany)**
- * **NF P 92-502 M2 Certificate (France)**
- * Eesy to clean
- * Excellent weatherability (High & Low temperatures)

M.D. = MACHINE DIRECTION

T.D. = TRANSVERSE DIRECTION

*Information stated on this data sheet is to best of our knowledge true and reliable but cannot be guaranteed.

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