

Technical Datasheet

ACHILLES VINISTAR FRX + FRX EX

Achilles Vinistar FRX Fire Retardant

Product / Test method				Wide light FR (LT) 3,5S 0,5 mm		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		
				183 cm		137 cm		183 cm		137 cm		137 cm		183 cm		
Major	Medium Items	Verification Items		MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	
Basic Physical Properties	Thickness	Dial Gauge	[mm]	0,50		0,50		0,50		0,75		0,50		0,50		ISO 527 mutatis mutandis
	Total Light Transmittance	Tt	[%]	88,00		87,40		87,40		85,88		88,13		88,13		ASTM D1003 mutatis mutandis
		Haze	[%]	no data	no data	2,04		2,04		no data	no data	1,90		1,90		ASTM D1003 mutatis mutandis
	Tensile Test	100% Modulus	[N]	57,30	56,80	71	63	71	63	59	62	48	42	48	42	ISO 527 mutatis mutandis
			[MPa]	no data	no data	15	13	15	13	8	8	9	9	9	9	
		Tensile Strength	[N]	137,40	128,60	147	134	147	134	206	203	124	123	124	123	
		[MPa]	no data	no data	30	27	30	27	27	27	25	25	25	25		
	Elongation	[%]	363,40	332,90	292	315	292	315	285	286	321	331	321	331		
		[N]	42,60	42,40	45	41	45	41	83	77	65	66	65	66		
	Tear Test	Elmendorf	[N/mm]	no data	no data	92	83	92	83	no data	no data					ASTM 1004 mutatis mutandis
[N/mm]			no data	no data	92	83	92	83	no data	no data					ASTM 1004 mutatis mutandis	
Heat Dimensional Stability	50°Cx10min.	[%]	no data	no data	-1,08	0,00	-1,08	0,00	no data	no data	-1,10	0,10	-1,10	0,10	ASTM D1204 mutatis mutandis	
		[°C]	no data	no data	85,00		85,00		no data	no data	79,00		79,00		JIS mutatis mutandis	
	Hardness (shore A)	[°C]	no data	no data	85,00		85,00		no data	no data	79,00		79,00		JIS mutatis mutandis	
	Flame Resistance		class B2	DIN 4102, part1 (class B1)	DIN 4102, part1 (class B1)	DIN 4102, part1 (class B1)	DIN 4102, part1 (class B1)	M2 level	M2 level							
Weather Resistance	(h)	500	500	500	500	500	500	500	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)
* NFP 92-502 M2 Certificate (France)
* Easy 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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