

TECHNICAL DATASHEET

Fibertex AQUADIM E 40 G NL

Product description	
Colour	White
Fibre composition	PET
Fibre bonding	Spunlaced
Intended use	Composite

Product specification					
Characteristic	Test method	Unit	Nominal value	Tolerance	
				Minimum	Maximum
Mass per unit area	EN ISO 9073-1	g/m ²	40,00	35,00	45,00
Thickness @ 0,5 kPa	EN ISO 9073-2	mm	0,60	0,50	0,70
Breaking strength MD	EN ISO 9073-3	N/mm	-	2,30	-
Breaking strength CD	EN ISO 9073-3	N/mm	-	1,00	-
Elongation @ break MD	EN ISO 9073-3	%	-	-	50,00
Elongation @ break CD	EN ISO 9073-3	%	-	-	95,00
Tear resistance MD	DIN 53356	N	-	9,00	-
Tear resistance CD	DIN 53356	N	-	8,00	-
Shrinkage resistance CD	Internal Method	%	-	-	8,00
Shrinkage resistance MD	Internal Method	%	-	-	6,50
Durability / Shelf life					
Undetermined					
Above technical values are based on an average of running production.					
Fibertex reserves the right to change product data without notice.					

NEXUS®

Product Information

Polyester Surfacing Veil for Reinforced Plastics

Characteristics

- 100% high melt polyester veil
- Available with or without resin binders
- Superior chemical and corrosion resistance
- High tensile strength
- Available in widths from 1" to 190"
- Available color-matched to requirements
- Available in a variety of finishes

Applications

Pultrusion:

- Improves weatherability and corrosion resistance
- Reduces fiber blooming
- Reduces die wear and production shutdowns
- Improves abrasion and impact resistance
- Fast wet-out
- Excellent conformability to complex shapes



The Premier Synthetic Surfacing Veil for the FRP Industry

Filament Winding/Open and Closed Molding:

- Superior corrosion and stress corrosion resistance
- Winds readily with less web breakage
- Improves cyclic pressure strength of piping systems
- Superior direct and reverse impact strength
- Fast wet-out
- Designed for optimum neck-down properties
- Print blocker

Style	Unit	111-10	100-10	039-10	100-00	115-05	700-05
Basis Weight (ASTM D3776)	(oz/y ²)	0.9 - 1.1	1.1 - 1.3	0.9 - 1.1	.9 - 1.3	1.5 - 1.7	1.8 - 2.0
	(g/m ²)	31 - 37	38 - 44	31 - 37	31 - 44	51 - 58	60 - 68
Caliper (ASTM D1777)	(mil)	8 - 13	9 - 13	10 - 12	7 - 12	10 - 14	18 - 22
	(mm)	0.21 - 0.33	0.23 - 0.33	0.26 - 0.31	0.18-0.31	0.26 - 0.36	0.46- 0.56
Grab Tensile MD (ASTM D5034)	(lb)	18 - 24	20 - 26	18 - 26	22 - 24	30 - 32	23 - 42
	(kg)	8.2 - 10.9	9.1 - 11.8	8.2 - 11.8	10 - 10.9	13.6 - 14.5	10.5 - 19.1
	(lb)	10 - 13	10 - 16	10 - 13	11 - 14	16 - 20	18 - 22
	(kg)	4.5 - 5.9	4.5 - 7.3	4.5 - 5.9	5.0 - 6.4	7.3 - 9.1	8.2 - 10
Elongation @ Break MD (ASTM D5034)	%	30 - 32	50 - 75	24 - 35	33 - 50	32 - 65	40 - 70
	%	110 - 112	75 - 100	95 - 100	75 - 119	100 - 125	100 - 125
Modulus @ 10% Elongation MD (ASTM D885M VAR.)	(lb)	5 - 10	5 - 8	8 - 27	6 - 9	6 - 9	10 - 13
	(kg)	2.3 - 4.5	2.3 - 3.6	3.6 - 12.2	2.7 - 4.1	2.7 - 4.1	4.5 - 5.9
Fiber Elongation @ Break	%	25	25	25	25	25	25
Fiber Softening Point (PFG Method)	°F	460	460	460	460	460	460
	°C	237	237	237	237	237	237
Fiber Melting Point (PFG Method)	°F	483	483	483	483	483	483
	°C	250	250	250	250	250	250
U.V. Resistance Comment		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Recommended Process P = Pultrusion C = Open and Closed Molding		P	C	P	P	P C	C

For more information, contact:

Precision Fabrics Group, Inc.

301 N. Elm Street Suite 600

Greensboro, NC 27401

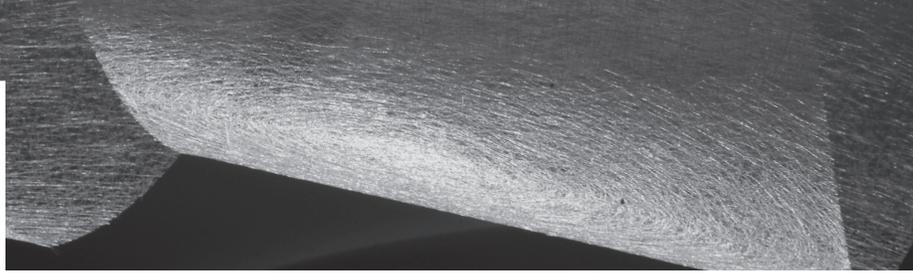
+1 336.510.8063

www.precisionfabrics.com



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M524-ECR30S SURFACING VEIL

M524-ECR30S consists of Advantex® 13 µm glass fibers. The glass fiber veil is bonded by a modified styrene resin which is rapidly soluble in styrene resin systems.

- Designed to be used as a surfacing tissue for GRP laminates.

FOR GRP APPLICATIONS

Product Benefits

- Good surface appearance.
- Rapid styrene solubility.



Technical Characteristics (Nominal Values)

PROPERTY	TEST METHOD	SPECIFICATION	NORMAL LIMITATIONS	
			MAX.	MIN.
Area Weight (g/m ²)	PTS-L-002	31.5	34.5	28.5
Binder Content (%)	PTS-L-003	11	12.5	9.5
Thickness (mm)	PTS-L-007	0.33	0.36	0.3
Air Permeability (l/m ² /s)	PTS-L-029	6300	6950	5650
Tensile Longitudinal (N/50mm)	PTS-L-015	-	-	20
Tensile Transverse (N/50mm)	PTS-L-015	-	-	11



Americas

Owens Corning Composite Materials, LLC.

One Owens Corning Parkway
Toledo, Ohio, USA 43659
1-800-GET-PINK®

Europe

European Owens Corning Fiberglas Sprl.

166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+32 3 674 8211

Asia Pacific

Owens Corning Shanghai Regional Headquarters

40/F, Pudong Kerry Parkside,
115 Fang Dian Road, Pudong,
Shanghai, 201204, China
+86-21-6101 9666

<https://www.owenscorning.com/composites> | Composites@owenscorning.com

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