20 oz Tooling Fabric

Part # - 254

20 oz/sq yd, 38" Wide, .026" Thick, Mock Leno Weave
This fabric offers very high strength characteristics as well as rapid build-up. Apply to molds as a back-up shell once the finer surfacing layers are in place.

Product Properties	
Style	7587
Finish	504
Weave Pattern	Mock Leno
Yard Description	Warp: ECG 37 1/2 Fill: ECG 37 1/2
Count: Ends x Picks (in)	40 x 21
Weight:	19.87 oz / yd^2
Breaking Strength: (lb / in)	Warp: 373 lb / in Fill: 236 lb / in
Thickness	0.0302 in
Roll Length	80 yd

DESCRIPTION

Woven fabrics are strong reinforcements because the fibers are bundled into yarns oriented in just two directions. The warp and fill yarns run at 0 and 90 degrees respectively. Thus, fabrics are anisotropic, or strong in only two directions.

Fabrics need to be oriented so the fiber yarns run parallel to the expected loads. If extra strength is needed in a different direction, another ply must be added at an angle to the first. The most common angles are +/- 45 degrees.

This fabric offers very high strength characteristics as well as rapid build-up. Apply to molds as a back-up shell once the finer surfacing layers are in place.

Resin Compatibility:

254 (20 oz Fabrics), are compatible with Polyester, Vinyl Ester, and Epoxy Resins.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.
©Copyright 2010 Fibre Glast Developments Corporation

Fibre Glast Developments Corporation
385 Carr Drive
Brookville, Ohio 45309
Phone – 800.214.8579
Fax – 937.833.6555
www.fibreglast.com

GENERAL PROPERTIES FOR WOVEN FABRICS:

High Tensile Strength:
Glass is one of the strongest textile fibers, having greater specific tensile strength than steel wire of the same diameter, at a lower weight

***Dimensional Stability*:**
Low elongation under load, generally 3% or less. Glass fibers produce fabrics with excellent dimensional stability under various types of conditions.

High Heat Resistance:
Glass fabrics have excellent dimensional stability under various types of conditions.

Fire Resistance:
Composed of inorganic materials, glass fabrics are noncombustible, a natural choice where flammability is a concern.

***Chemical Resistance*:**
Like glass itself, fiberglass fabrics are highly resistant to attack by most chemicals.

Durability:
Being inert, glass fabrics are unaffected by sunlight, fungus, or bacteria.

Economical:
Glass fabrics are lower in cost than many other fabrics for smaller applications.

Weave Pattern Rankings:

	Thickness	Weight	Strength	Porosity
Plain	3	1	3	1
Twill	2	1	4	2
4-Harness Satin	3	1	4	2
8-Harness Satin	1	1	7	4
Leno	7	7	1	7
Mock Leno	6	1	2	4

This was a scale from 1 to 7, with 1 being the lowest and 7 being the highest

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.
©Copyright 2010 Fibre Glast Developments Corporation

Fibre Glast Developments Corporation
385 Carr Drive
Brookville, Ohio 45309
Phone – 800.214.8579
Fax – 937.833.6555
www.fibreglast.com