



Contact

SHINDO
Industrial Materials Division

Harajuku Duet Building 1-
10-32 Jingumae, Shibuya-
ku, Tokyo 150-0001 Japan



im-company@shindo.com



Fax: +81-3-5786-2113



[www.shindo.com/en/
material](http://www.shindo.com/en/material)



SHIMTEQ™ NCF D600G

Double Bias Glass Fiber Non Crimp Fabric

SUMMARY

NCF D600G is a single fabric containing 2 layers (orientated +45° and -45°) of continuous glass fiber (GF) stitched by polyester. The material offers off-axis reinforcement with excellent strength and intermediate modulus for composites impregnated by matrix resins. NCF D600G has a unique feature for a very stable composite material, i.e. its non-crimp configuration, which retains the alignment of the reinforcing fibers during molding. The material also offers a path for resin impregnation via the stitching holes and the well-aligned fiber orientation.

SPECIFICATIONS

Total fiber areal weight [g/m ²]	581	Material configuration	Sheet roll
Reinforcing fiber areal weight [g/m ²]	576	Package configuration	Cardboard
Stitching yarn areal weight [g/m ²]	5	Fabric width [mm]	1270
Reinforcing fiber tensile modulus [GPa]	70	Fabric length [m]	60
Number of layers [ply]	2	Roll weight [kg]	44

MATERIAL CONFIGURATION

	Material	Configuration
Reinforcement	GF	[+45/-45]
Stitching	Polyester	Chain

APPLICATION EXAMPLES

Wide range of light weight and/or high mechanical-/physical-strength-demanding fields (e.g. automotive and aerospace) molded by infusion, RTM, and press-molding.

APPLICABLE MATRIX RESINS

Epoxy, Unsaturated polyester, Vinyl ester, Urethane, etc.

※ All data in this document is for reference use only, the material property data depends on the reinforcement, impregnation and molding process conditions. SHINDO IM Company provides no warranty for any of the technical data or information contained in this document.