TYPE APPROVAL CERTIFICATE

Certificate no.:
TAK00001TH
Revision No:
1

This is to certify:

that the Glass Fibre Products

with type designation(s)
Woven Rovings: EWR270, EWR360, EWR500, EWR580, EWR600 and EWR800

issued to
Jushi Group Co., Ltd.

Product description

Woven Rovings: **EWR270**, **EWR360**, **EWR500**, **EWR580**, **EWR600** and **EWR800**.

Legends:
E: E-Glass
WR: Woven Roving
270, 360, 500, 580, 800: Weight per unit area, g/m^2

The following indicative properties have been verified by Type Testing of laminates:

Properties	**Test Method**	**EWR270**	**EWR360**	**EWR500**		
Tensile Strength – warp	ISO 527-1,4	409.04	425.57	457.28	mean	MPa
Tensile Modulus – warp	ISO 527-1,4	24.04	25.28	22.80	mean	GPa
Tensile Strength – weft	ISO 527-1,4	395.67	350.77	440.20	mean	MPa
Tensile Modulus – weft	ISO 527-1,4	23.70	23.65	24.17	mean	GPa
Fibre content by weight	ISO 1172	61.13 (0) 61.89 (90)	61.16 (0) 61.22 (90)	61.65 (0) 61.32 (90)	mean	%
Resin		TM-107				
Curing Procedure used for Type Testing		24 hrs at room temperature, 4 hrs at 80°C				

Properties	**Test Method**	**EWR580**	**EWR600**	**EWR800**		
Tensile Strength – warp	ISO 527-1,4	459.29	511.93	440.15	mean	MPa
Tensile Modulus – warp	ISO 527-1,4	24.77	26.62	23.53		