

# **TECHNICAL DATA SHEET**

Date : 08/02/2022

**Fibrosan Product Code :** 615 DPN TRA WGT  
**Product Name :** Flat Polyester Sheet  
**Thickness :** 1,50 mm

	PRODUCT CHARACTERISTICS	TEST STANDARD	UNIT	VALUE	
<b>PHYSICAL</b>	THICKNESS	-	mm	1,50	
	COLOR	-	RAL, NCS, CUSTOMER COLOR	RAL, NCS, CUSTOMER COLOR	
	GLASS CONTENT	TS 1177 EN ISO 1172	%	~27,2	
	WATER ABSORPTION	ISO 62	% (METHOD 2)	≤0,4	
	WEIGHT	-	g/m <sup>2</sup>	2200	
	SPECIFIC GRAVITY	COMPANY STANDARDS (IN HOUSE TESTING)	g/cm <sup>3</sup>	~1,4	
<b>UV RESISTANCE</b>	UV TEST	ASTM G - 53	QUV - B	< 10	
<b>MECHANICAL</b>	TENSILE STRENGTH	ISO 527 - 4/2/2	N/mm <sup>2</sup>	95	110
	TENSILE MODULUS	ISO 527 - 4/2/2	N/mm <sup>2</sup>	6100	6450
	ELONGATION AT BREAK	ISO 527 - 4/2/2	%	2,5	3,2
	FLEXURAL STRENGTH	ISO 14125	N/mm <sup>2</sup>	175	200
	FLEXURAL MODULUS	ISO 14125	N/mm <sup>2</sup>	6550	6800
	FLEXURAL STRAIN	ISO 14125	%	4,9	5,2
	BARCOL / HARDNESS	TS EN 59	° Barcol	> 35	
	COEFFICIENT OF LINEAR EXPANSION	TS 1065-2 ISO 11359-2	K <sup>-1</sup>	30X10 <sup>-6</sup>	
<b>THERMAL RESISTANCE</b>	THERMAL CONDUCTIVITY	TS ISO 8301	W/mK	0,124	
	HEAT TRANSFER COEFFICIENT	TS 1065-2 ISO 11359-2	W/m <sup>2</sup> K	5,5	
	THERMAL RESISTANT			between -40 °C + 120 °C	
<b>FIRE RESISTANCE</b>	FIRE PROOF CLASSIFICATION	DIN 4102	CLASS	B2	
<b>TOLERANCES</b>	Mechanical Results	-	-	± % 10	
	Unit weight	-	%	± % 5	
	Thickness	-	%	± % 5	
	Width	-	mm	± 2 mm	
	Length	-	mm	for 0-5 m + 15 / - 10 mm	
	Color	-	ΔE*	≤1	

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