

# TECHNICAL DATASHEET

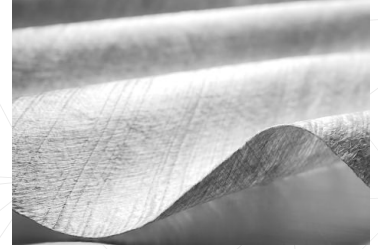
## TS65 & TS70

### PRODUCT DESCRIPTION

Polyfelt TS65 and TS70 are non-woven geotextiles manufactured using high quality raw materials, offering excellent filtration properties, characterized by high water permeability and optimum soil-retention capability, even under high mechanic and hydraulic stress. This ensures that the drainage gravel keeps its waterflow capacity, thus providing quick and efficient drainage of the soil.

TS geotextiles ensure the uniform thickness of the base course by preventing the ingress of fill material into fine-grained subgrade. Installation damage is prevented by the outstanding puncture resistance.

TS65 and TS70 are Network Rail Approved geotextiles for use as a separator in track formation, in accordance with RT/CE/S/010. Certificate number PA/05/01626.



PROPERTIES	TEST METHOD	UNITS	TS 65	TS 70
<b>MECHANICAL PROPERTIES</b>				
TENSILE STRENGTH MD	EN ISO 10319	kN/m	22	25
TENSILE STRENGTH XD	EN ISO 10319	kN/m	22	25
ELONGATION AT MAX MD	EN ISO 10319	%	95	95
ELONGATION AT MAX XD	EN ISO 10319	%	46	46
STATIC PUNCTURE RESISTANCE	EN ISO 12236	N	3350	3850
CONE DROP TEST (HOLE-Ø)	EN ISO 13433	mm	17	15
<b>HYDRAULIC PROPERTIES</b>				
OPENING SIZE O <sub>90</sub>	EN ISO 12956	l/m <sup>2</sup> s (mm/s)	95	90
PERMEABILITY VERTICAL	EN ISO 11058	µm	85	80
<b>FORMS OF SUPPLY</b>				
THICKNESS 2 kPa	EN ISO9863-1	mm	2.5	2.9
WEIGHT	EN ISO9864	g/m <sup>2</sup>	285	325
ROLL SIZE		m	4.0 x 125m	4.0 x 100m

### REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close  
Martland Industrial Park  
Wigan  
Greater Manchester  
WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

