

TECHNICAL DATA SHEET

ORANGE SERIES



Product	Needlepunched nonwoven short staple fibers orange geotextile
Composition	Polypropylene ⁽¹⁾
Main Function	separation

Property	Test Method	Unit	Texel 031 OR	Texel 040 OR	Texel 044 OR	Texel 045 OR	Texel 060 OR	Texel 080 OR	Texel 100 OR
Mechanical									
Tensile strength	ASTM D4632	N lbs	356 80	445 100	445 100	533 120	712 160	911 205	1112 250
Elongation at break	ASTM D4632	%	50-105	50-105	50-105	50-105	50-105	50-105	50-105
Trapezoid tear	ASTM D4533	N lbs	133 30	200 45	223 50	222 50	267 60	356 80	444 100
CBR puncture	ASTM D6241	N lbs	934 175	1320 300	1380 310	1510 340	1824 410	2380 535	3114 700
UV resistance	ASTM D4355	%/500h	70	70	70	70	70	70	70
Hydraulic									
Flow rate	ASTM D4491	L/min/m ² Gal/minft ²	6112 150	6095 150	5689 140	4885 120	4480 110	4000 98	3251 80
Permittivity	ASTM D4491	s ⁻¹	2.2	2	2	1.7	1.5	1.4	1.2
AOS ⁽²⁾	ASTM D4751	µm us sieves	300 50	300 50	300 50	212 70	212 70	180 80	150 100
Dimensions									
Standard width	-	m ft	3.81 - 4.57 - 5.25 12.5 - 15 - 17.2						
Standard length	-	m ft	91.44 300						

Our quality management system is certified by ISO-9001 standard. Our internal laboratory is certified by the Geosynthetic Accreditation Institute -Laboratory Accreditation Programm (GAI-LAP).
 All values are MARV except when specified.
 The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.
 Texel C Orange Series products are NTPEP certified and meets requirements as per AASHTO and/or D.O.T standards.

1-May contain polyester / 2- Maximum average roll value

Revision : 2019-07-23

Texel reserves the right modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

