

TEXEL C ORANGE SERIES

TECHNICAL DATASHEET

Product	Needlepunched nonwoven short staple fibers orange geotextile
Composition	Polypropylene ⁽¹⁾
Main function	Separation

Property	Test Method	Unit	TEXEL031C OR	TEXEL040C OR	TEXEL044C OR	TEXEL045C OR	TEXEL060C OR	TEXEL080C OR	TEXEL100C 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/min/ft 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	3.5 m - 4.57 m - 5.25 m / 11.5 ft - 15 ft - 17.25 ft													
Standard length	-	m ft	91.44 m / 300 ft													

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 NTPPEP 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 to 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 defects or product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.