

Technora® General Datasheet

Technora® filament yarn properties

Type	(dtex/ filaments)	Breaking strength (N)	Breaking tenacity (mN/tex)	Elongation at break (%)	Chord modulus (GPa)
T200	3300T2000	818	2450	4.45	73
	1670T1000	409	2450	4.45	73
	1100T667	274	2490	4.27	78
T200M	2500T667	613	2450	4.27	74
T221	1670T1000	401	2400	4.36	73
	1100T667	264	2400	4.18	77
T240	1670T1000	409	2450	4.45	73
	1100T667	274	2490	4.27	78
	440T267	110	2490	4.08	79
	220T65	54	2450	3.99	84
T240B	1670T1000	397	2380	4.30	73
	830T500	198	2380	3.99	77

Technora® spun yarn

Type	(dtex)	Breaking strength (N)	Breaking tenacity (mN/tex)	Elongation at break (%)
T400	440	81	1850	4.30
T400NF	220	41	1850	4.30

Technora® general characteristics

Density	1.39 g/cm ³	
Decomposition temperature	> 500 °C	Based on TGA analysis
Coefficient of thermal expansion	-6 x 10 ⁻⁶ /°C	
Flammability, LOI-Index	33	Measured on yarn
Equilibrium moisture regain	2%	
Heat resistance at 200°C , 48 hrs (residual strength)	90%	
UV Stability	Needs protection against UV	
Hydrolysis, water or steam	No strength loss occurs	

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