

TITAN - HMPE Fabric

Technical Data Sheet

Description	Technical Data	Standard
Type of yarn	TITAN HMPE reinforced with PA6.6	-
No. of layers	Two, bonded together	-
Colors	Applicable to all colors	-
Textile construction	8 treads & 8 intersectios (±1)	ENG 1049-2
Yarn count	Warp: 2200dTex, Weft: 2200dTex	-
Set of weave	2x2 Twill	DIN 61101
Total width	150cm (±5)	DIN EN 1773
Total weight	950 ± 50g/m ²	DIN EN 12 127
Breaking strength	Warp: ≥4500N, Weft: ≥5000N	ISO EN 13934/1
Elongation	30-40%	-
Tear strength	Warp: ≥1750N, Weft: ≥1350N	ISO EN 13937-4
Abrasion resistance	Determination of abrasion resistance of fabrics by the Martindale method: 300.000 revolutions with no damage	DIN EN ISO 12947-2
Determination of resistance to water penetration (hydrostatic pressure)	Test made on the front side of finished fabric: >750 mm.	ISO 811:1981
PH	Neutral PH 6-8	EN 1413
Colorfastness to rubbing (wet)	4	ISO 105-12:2001
Colorfastness to rubbing (dry)	4	ISO 105-12:2001
Colorfastness to artificial light: xenon arc fading lamp test	Rate 5	ISO 105-02:1994



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