



ORCA® 828

Hypalon/Neoprene Coated Fabric

Base fabric: Polyester High Tenacity **1100 dtex – 990 deniers**

Coating : Ext : Hypalon/Neoprene – Int : Neoprene

Specifications	Standard-Test	Direction	Result (Imperial)	Result (Metric)
Surfacic Mass	NFG 37 102 FSTM 191/5041		38.34 ± 2.95 oz/yd ²	1300 ± 100 g/m ²
Tensile Strength	NFG 37 103 ASTM D 751 / B	CH (W) TR (F)	≥ 393.3 lbs/in ≥ 393.3 lbs/in	≥ 350 daN/5cm ≥ 350 daN/5cm
Tear Resistance	NFG 37 128/A ASTM D 751 / B	CH (W) TR (F)	≥ 44.96 lbs ≥ 35.97 lbs	≥ 20 daN ≥ 16 daN
Permeability (Helium) Zeppelin Test	NFG 37 114			< 3 l/m ² /24h
Peeling Test Adhesion	NFT 46008 ASTM D 751		≥ 16.85 lbs/in	≥ 15 daN/5cm
Low Temperature Resistance	NFG 37 111 ASTM D 751		≤ -22 °F	≤ -30 °C
Heat Aging 7 days at 158 °F (70°C)	NFG 37 105		Tensile strength unchanged	
Hydrocarbon Resistance	NFJ 37 825		Tensile strength unchanged	
Fill Distortion	NFG 37 119/1		80% ≤ 1.181 in Maxi 1.969 in	80% ≤ 3 cm Maxi 5 cm

Standard width : 57 in – 145 cm (edge cut)
Standard colours : 22 colours, pleased refer to the ORCA® catalogue.
 Other colours on request.

The information supplied herein is based upon data currently available. Suggested applications are purely indicative and do not imply any warranty on serviceability. The client should always proceed with its testing and validation. Pennel Industries makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. There are no warranties, either expressed or implied, including the warranty for fitness or merchantability, unless expressly set forth herein.