



HDS

Technical Data Sheet - Fabric

Base fabric:	Polyester knitted fabric
Outside coating:	Hydrogenated Nitrile rubber (HNBR)
Inside coating:	None
Weight, nominal	1050 g/m ²
Colour (outside / inside)	Black / Black

Physical performance		
Property	Test method	Result
Abrasion resistance	EN 5470-1	> 20 000 rounds
Tear resistance, warp / weft	ISO 4674	> 40 N / > 25 N
Tensile strength, warp / weft	ISO 1421	> 750 N / > 600 N
Puncture resistance	EN 863	> 50 N

Barrier performance – Chemical permeation (EN 14225:2017)		
Chemical name	Category / Chemical family	Breakthrough Time (minutes)
Sulphuric Acid, 50%	Acids / Inorganic acid	> 480
Sodium Hydroxide, 50%	Bases / Alkaline solution	> 480
Isopropanol	Polar solvent / Alcohol	> 480
Toluene, 0.05%	Hydrocarbon / Aromatic hydrocarbon	> 480
Liquid B*	Fuel oils / Petroleum	160
Liquid F*	Fuel oils / Diesel or Aviation fuel	> 480

Tests performed according to ISO 6529, breakthrough criterion 1.0 µg/cm²/min, test duration 8 hours.

* Liquid B = 70 % iso-octane/30 % toluene, Liquid F = 80 % paraffin oil / 20% methyl naphthalene

Barrier performance – Infective agent penetration (EN 14225-2:2017, EN 14126:2003)			
	Test method	Result	Class
Resistance to penetration by contaminated blood & body fluids	ISO 16603	No penetration	6 of 6
Resistance to penetration by blood-borne pathogens	ISO 16604	No penetration	6 of 6
Resistance to wet microbial penetration	EN ISO 22610	No penetration	6 of 6