

Microgard 1500 – Technical Data Sheet

Fabric Details	App. Weight
SMS (Spunbond/Meltblown/Spunbond Polypropylene)	50gsm

EN14325 Fabric Physical Test Results	
EN 530 Abrasion	10
EN ISO 7854 Flex Cracking	15,000
EN ISO 9073-4 Tear Resistance (MD)	22.6N
EN ISO 9073-4 Tear Resistance (CD)	28.8N
EN ISO 13934-1 Tensile Strength (MD)	>100N
EN ISO 13934-1 Tensile Strength (CD)	>55N
EN 863 Puncture Resistance	9.87N
EN 13274-4 Resistance to ignition	Pass
EN 1149-1 Anti-static	Pass

ISO 6530 – Fabric Repellency & Resistance to Liquid Chemicals	Percentage %
Repellency to Liquids - 30% Sulphuric Acid	99.1
Repellency to Liquids - 10% Sodium Hydroxide	97.5
Repellency to Liquids - n-heptane (undiluted)	0.0
Repellency to Liquids - Isopropanol	23.1
Resistance to penetration by liquids - 30% Sulphuric Acid	0.0
Resistance to penetration by liquids - 10% Sodium Hydroxide	0.0
Resistance to penetration by liquids - n-heptane (undiluted)	26.6
Resistance to penetration by liquids - Isopropanol	19.5

Aloxite Particle Penetration Test (Fabric Filtration Efficiency)	Percentage %
Particle Size 1.0 - 1.5µm	98.3
Particle Size 1.5 - 2.0µm	98.6
Particle Size 2.0 - 2.5µm	99.2
Particle Size 2.5 - 3.0µm	99.5
Particle Size 3.0 - 3.5µm	99.7
Particle Size >3.5µm	99.8

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Whole Suit Type Test Results	
EN ISO 13982-1 (&2)Type 5	Pass <10% TIL
EN 13034 Type 6	Pass
EN 1073-2 Barrier to Radioactive particulates	Pass - Class1
ISO 13935-2 Seam Strength	>100N