

ASTM F2100 Classifications

Requirements by Performance Class per ASTM F2100

Characteristic	Level 1 Barrier	Level 2 Barrier	Level 3 Barrier
Bacterial filter efficiency, %	≤95	≤98	≤98
Differential pressure, mm H ₂ O/cm ²	<4.0	<5.0	<5.0
Sub-micron particulate filtration efficiency at 0.1 micron, %	≤95	≤98	≤98
Resistance to penetration by synthetic blood, minimum pressure in Hg for pass result	80	120	160
Flame Spread	Class 1	Class 1	Class 1
Helmke Drum	Category 1	Category 1	Category 1

ASTM F2100 Standards

Category	Level	Product
PFL® Face Masks	Level 3	108, 115, 608, 608 BS, 608 PD, 615, 615 BS, 615 PD, 615 PK, 9608, 9908
N95 Particulate Respirator	Level 3	695
PFL® Laser Face Mask	Level 3	638
CoolOne™ Face Masks	Level 1	BL 6001, BL 6055, GR 6055, PK 6055, YL 6055, BL 6155
CoolOne™ Sensitive Skin Face Masks	Level 1	WH 1155, WH 6155
AlphaAir® Face Masks	Level 3	BL 5005, GR 5005, PK 5005, YL 5005, BL 5100, BL 5500
Microbreathe® Face Mask	Level 1	9010
AlphaGuard® Face Mask	Level 3	9050
MVT Face Masks & Comfort™ Veil	Non-Filtering	9040, 9240, 9400
Face Masks with Shields	Level 1	BL 8101 S, BL 6155 S
	Level 3	5194-E, 5194-T, SM 2005X