Product Data Sheet

Product:	Neolution®Air
REF:	256V
Manufacturer:	DACH Schutzbekleidung GmbH & Co. KG



Classification:	▪ Category III Personal Protective Equipment accordingly Regulation (EU) 2016/425
Protection class:	Particle filtering half mask FFP3 NR D accordingly EN 149:2001+A1:2009. Very good skin compatibily scientifically proven by testing accordingly EN ISO 10993-5 (cytotoxicity), EN ISO 10993-10 (sensitization) and EN ISO 10993-23 (irritation): The materials used are not cytotoxic, not sensitizing and not irritating.
Materials:	▪ Mask body: Polypropylene nonwoven ▪ Head straps: textile elastic made of polyester and elastane, free from natural latex ▪ Nose clip: metal wire covered with plastic ▪ Valve: Polypropylene
Product Description:	The three-part respirator Neolution®Air impresses with high-quality materials that guarantee the wearer maximum comfort. High-tech filter material generates a high filtering performance against solid and liquid aerosols with extremely low breathing resistance. Due to the three movable parts, the mask follows the jaw movements during speech. This ensures a constant tight fit. Textile head straps ensure a secure fit of the mask to the face. The straps fit comfortably on the head without pinching or pulling hair. Maximum protection even under extreme conditions: for disposable masks voluntary dolomite dust loading test passed!

Product performance:

Product performance according to EN 149:2001+A1:2009

Filter efficiency

Class	Requirement		Test result	
	Maximum penetration		Actual penetration	
	NaCl 95 l/ min	Paraffin oil l95 l/min	NaCl 95 l/ min	Paraffin oil 95 l/min

	FFP3 NR D	1 %	1 %		0,07 %	0,16 %
	Breathing resistance					
	Class	Requirement			Test result	
		Maximum breathing resistance (mbar)			Actual breathing resistance (mbar)	
		Inhalation		Exhalation	Inhalation		Exhalation
		30 l/min	95 l/min	160 l/min	30 l/min	95 l/min	160 l/min
	FFP3 NR D	1,0	3,0	3,0	0,4	1,6	1,6
	Leakage test					
	Class	Requirement			Test result	
		Maximum total inward leakage (%)		Minimum Protection factor (Fit Factor)	Total inward leakage (%)[1]		Protection factor (Fit Factor)[1,2]
	FFP3 NR D	2		30	0,88		113,6
	[1] The leakage and protection factor values were determined as mean values with 3 test persons under laboratory conditions and are for reference only. The data does not represent the actual leakage of a person at the workplace and does not replace an individual fit test. [2] The fit factor (protection factor) indicates the ratio between the particle concentration outside the mask and the particle concentration inside the mask.						
	Carbon dioxide content of the inhaled air						
	Class	Requirement (max.)			Test result		
	FFP3 NR D	1 %			0,56 %		

Packaging and variants:	**Packaging**	**Quantity**	**GTIN**
	Box	20 pcs.	4049825006596
	Shipping carton	120 pcs.	4049825506584
	Pallet	5760 Stk.	
REF:	256V		
Colour:	White		
Use:	For single use. Read the instructions for use before use.		

Storage:	Store in a dry place without direct sunlight in the original packaging (see packaging). If the storage conditions are observed, the product has a storage life of 5 years (see labeling on the product).
Environmental sustainability and disposal:	In the case of contaminated products, the type and extent of contamination determines the disposal, and the applicable laws and regulations of the relevant country must be followed. A non-contaminated product can be thermally recycled or disposed of in landfills without releasing toxic substances.