

Product news

# ACOUSTEX HD



ACOUSTEX HD is a new range of high precision mesh that can be the ideal product to optimize all your acoustic applications where it's needed

- High precision and consistency
- Strict airflow control
- Flat frequency response over the widest possible range
- Wind noise reduction properties
- High protection from dust and metal particles
- Possibility to combine acoustic performances with ID requirements (customized colors or MET-metallization coating)
- Possibility to have HYPHOBE® coating for water and oil (repellency).



TECHNICAL DATA SHEET		HD7	HD10	HD12	HD15
Construction	Material	polyestere monofilament	polyestere monofilament	polyestere monofilament	polyestere monofilament
	Hydrophobic	Available under request			
	Colours, MET coating	Available under request			
Performance	Acoustic impedance (MKS Rayls)	4000	1050	570	360
	Acoustic impedance (CGS acoustic Ohm/1 cm <sup>2</sup> )	400	105	57	36
Properties	Pore size [µm]	7(+/-2)	10(+/-2)	12(+/-3)	15(+/-3)
	Open area [%]	2 (+/-1)	3 (+/-1)	7 (+/-2)	9 (+/-2)
	Thickness [µm]	85(+/-6)	83(+/-6)	57(+/-5)	57(+/-5)
	Weight [g/m <sup>2</sup> ]	70	60	52	46
	Tensile strength [N/5cm]	>325	>325	>410	>390
	Breaking elongation [%]	>18%	>18%	>18%	>18%
	Max working temperature [°C]	120 °C (cont.) 150 °C (peak)	120 °C (cont.) 150 °C (peak)	120 °C (cont.) 150 °C (peak)	120 °C (cont.) 150 °C (peak)
Application	RoHS	ok	ok	ok	ok
	Halogen Free	ok	ok	ok	ok
	REACH	ok	ok	ok	ok

All stated values are measured according to SAATI specific control plan and represent statistical values.

