

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	660	550	370
	Acoustic impedance (CGS acoustic Ohm/1 cm ²)	400	66,0	55,0	37,0
	Air permeability [L/m ² s@20mmWG]	60	275	390	500
	Average contact angle (for Hyphobe version) (1)	>110°	>110°	>110°	>110°
	Water intrusion pressure third droplet [mbar] for Hyphobe version (2)	TBD	TBD	TBD	TBD
Properties	Pore size [µm]	7(+/-1)	10(+/-1)	12(+/-1)	15(+/-1)
	Thickness [µm]	85(+/-6)	80(+/-6)	57(+/-4)	55(+/-2)
	Weight [g/m ²]	70 (+/-5)	60(+/-4)	52(+/-4)	46(+/-1)
	Tensile strength [N/5cm] (3)	>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

(1) droplet method/optical, water 3 microliters average on 25 measures
 (2) In accordance with ISO 811 water, test area 28 cm , detection of 3rd droplet
 (3) ISO 13934 - 1: 2000