

# Technical Datasheet



## Metric Units

# JX180

Filter material	100% Polyester
Media design	Spunbonded

Physical Properties	Metric Units	Values	Tolerances	Standard
Air permeability	m <sup>3</sup> /m <sup>2</sup> /h @ 200 Pa	830	±30%	ISO 9237:1995
Basis weight	g/m <sup>2</sup>	170	±12	ISO 9073-1:2023
Thickness	mm	0.40	±0.04	ISO 9073-2:1995
Elongation (MD)	%	>15		EN 29073-3
Elongation (CD)	%	>15		EN 29073-3
Tensile strength (MD)	N/5 cm	>450		EN 29073-3
Tensile strength (CD)	N/5 cm	>320		EN 29073-3
Tear strength (MD)	N	>100		ISO 9073-4:2021
Tear strength (CD)	N	>100		ISO 9073-4:2021
Thermal shrinkage (MD)	%	<2.5		ISO 5077:2007
Thermal shrinkage (CD)	%	<1.0		ISO 5077:2007
Temperature resistance	°C	120		
Filter class		ePM10   65% •		ISO 16890-2
		M5		EN779:2012
		M •		IEC 60335-2-69

## Resistance

Oleo/Hydrophobic	Good
Acid Resistance	Very Good
Alkaline Resistance	Very Good
Dust Release	Good

Any disclosed physical or chemical properties of JP Air Tech products and their measured values are supplied as a courtesy technical service. These properties/values are not contractually binding; rather, they represent average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations.

(•) Third-party report is available

# Technical Datasheet



Imperial Units

## JX180

Filter material	100% Polyester
Media design	Spunbonded

Physical Properties	Units	Values	Tolerances	Standard
Air permeability	cfm @ 0.5 inH2O	28	±30%	ISO 9237:1995
Basis weight	lbs/3000 ft <sup>2</sup>	104	±7	ISO 9073-1:2023
Thickness	inch	0.016	±0.002	ISO 9073-2:1995
Elongation (MD)	%	>15		EN 29073-3
Elongation (CD)	%	>15		EN 29073-3
Tensile strength (MD)	lbf/in	>51		EN 29073-3
Tensile strength (CD)	lbf/in	>36		EN 29073-3
Tear strength (MD)	lbf	>22		ISO 9073-4:2021
Tear strength (CD)	lbf	>22		ISO 9073-4:2021
Thermal shrinkage (MD)	%	<2.5		ISO 5077:2007
Thermal shrinkage (CD)	%	<1.0		ISO 5077:2007
Temperature resistance	°F	248		
Filter class		ePM10   65% •		ISO 16890-2
		MERV 9-10		ASHRAE 52.2-2017
		M5		EN779:2012
		M •		IEC 60335-2-69

### Resistance

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Acid Resistance	Very Good
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