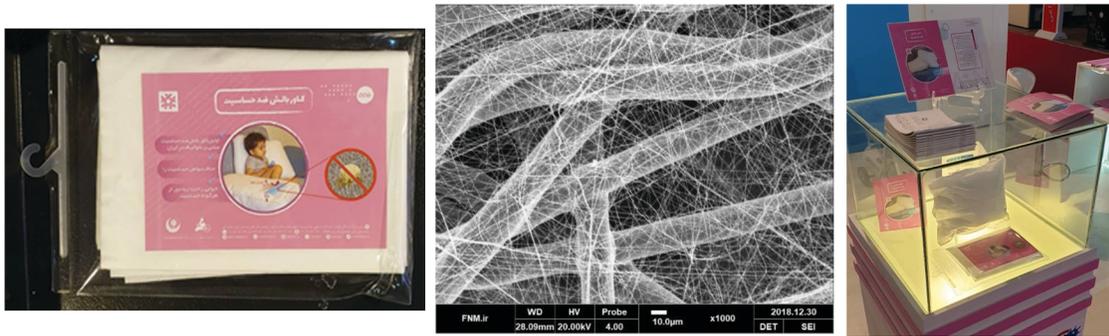


Anti-allergy Bedding

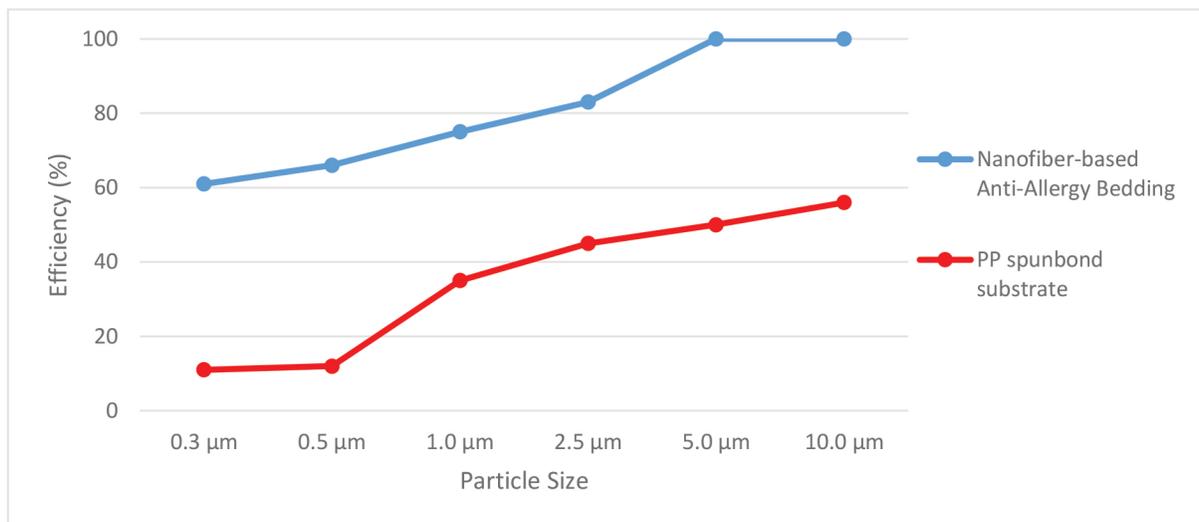
FNM's anti-allergy bedding provides maximum possible efficiency at capturing the allergens and high breathability and comfort for consumers.

Coating a thin layer of nanofibers on nonwoven substrate prevents penetration of dust mites and their produced allergens. The nanofiber layer is laminated between several nonwoven layers in order to protect the nanofiber layer and address more stability for final product.

Nanofiber has high surface area, high percent of porosity and small pore size. These special properties increase the efficiency up to 99%, allergen, bacteria and fungus can be trapped by nanofiber layer easily. High breathability and water vapor permeability of anti-allergy bedding are unique properties because of high porosity and small pore size of nanofiber layer.



Performance of nanofiber-based anti-allergy bedding (According to BS EN 779, EN ISO 9237)								
Sample Name	Efficiency (%)						Pressure Drop (Pa) (@ 32 l/min)	Air Permeability (l/m ² /s) (@ 60 Pa)
	0.3 μm	0.5 μm	1.0 μm	2.5 μm	5.0 μm	10.0 μm		
Nanofiber-based anti-allergy	61	66	75	83	100	100	36	85
PP spunbond substrate	11	12	35	45	50	56	15	190



Comparison of efficiency in nanofiber-based anti-allergy bedding and PP spunbond substrate.