

Olefins — Nonwoven Fabric GSM Chart & Testing Standards — 2026

Complete guide to GSM range, thickness, tensile standards and applications | www.olefins.net | info@olefins.net

GSM (g/m ²)	Typical Thickness (mm)	Common Construction	Typical Tensile MD (N/5cm)	Key Standard	Primary Applications
10-15	0.12-0.18	Spunbond PP	15-25	ISO 9073-3	Hygiene topsheet, coverstock, light packaging
15-25	0.18-0.30	Spunbond PP	25-60	ISO 9073-3, EN 29073	Baby diaper topsheet, sanitary napkin, wipes wrap
25-40	0.28-0.45	Spunbond / SMS	50-110	ISO 9073-3, EN 13795	Surgical gowns AAMI L1-L2, caps, shoe covers, shopping bags
40-60	0.35-0.65	SMS / SMMS	80-160	EN 13795, AAMI PB70, EN 14683	Surgical gowns L3, PPE coverall Type 5/6, face mask outer
60-100	0.50-1.0	SMS / Spunbond	120-250	EN 13982-1, EN 13034	Industrial coveralls, geotextile separation, furniture dust cover
100-200	0.9-2.0	Needlepunch / Spunbond heavy	200-450+	EN 13249 / EN 13252	Geotextile, automotive backing, crop cover heavy, filtration backing

Notes:

1. Thickness varies with calender pressure. 2. Tensile per ISO 9073-3, 5cm strip. 3. MD:CD ratio 1.5:1 to 2.5:1. 4. For medical specify EN 20811 hydrostatic head and BFE per EN 14683. 5. Prices indicative Q3 2026.

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