

# Wenzhou YiTong SP PET Quality Standard

NO.: YTQS - 003

**100% spunbond  
polyester nonwoven  
fabric**

**Filament cross-section:** Round  
**Weight range(gsm):** 15-180  
**Max width (meter) :** 3.2  
**Denier:** 4d

| item                          | unit | detection value | samples quantity | The coefficient of variation(CV) | standard    |
|-------------------------------|------|-----------------|------------------|----------------------------------|-------------|
| weight                        | g/m2 | 81              | 10               | 0.027                            | ASTM D 5261 |
| Tensile strength MD           | N    | 298             | 10               | 0.086                            | ASTM D 4632 |
| Tensile strength MD rate      | %    | 31.5            | 10               | 0.169                            | ASTM D 4632 |
| Tensile strength CD           | N    | 246             | 10               | 0.071                            | ASTM D 4632 |
| Tensile strength CD rate      | %    | 35.2            | 10               | 0.057                            | ASTM D 4632 |
| Trapezoidal tear strength MD  | N    | 44              | 10               | 0.121                            | ASTM D 4533 |
| Trapezoidal tear strength CD  | N    | 35              | 10               | 0.129                            | ASTM D 4533 |
| Puncture strength             | N    | 107             | 10               | 0.081                            | ASTM D 4833 |
| water permeability $\theta$   | l/s  | 0.172           | 5                | 0.02                             | ASTM D 4491 |
| AOS apparent opening size O95 | mm   | <0.061          | 5                | /                                | ASTM D 4751 |

| item                          | unit | detection value | samples quantity | The coefficient of variation(CV) | standard    |
|-------------------------------|------|-----------------|------------------|----------------------------------|-------------|
| weight                        | g/m2 | 101             | 10               | 0.138                            | ASTM D 5261 |
| Tensile strength MD           | N    | 372             | 10               | 0.073                            | ASTM D 4632 |
| Tensile strength MD rate      | %    | 20.8            | 10               | 0.132                            | ASTM D 4632 |
| Tensile strength CD           | N    | 260             | 10               | 0.060                            | ASTM D 4632 |
| Tensile strength CD rate      | %    | 28.9            | 10               | 0.084                            | ASTM D 4632 |
| Trapezoidal tear strength MD  | N    | 64              | 10               | 0.202                            | ASTM D 4533 |
| Trapezoidal tear strength CD  | N    | 44              | 10               | 0.192                            | ASTM D 4533 |
| Puncture strength             | N    | 154             | 10               | 0.099                            | ASTM D 4833 |
| water permeability $\theta$   | l/s  | 0.266           | 5                | 0.035                            | ASTM D 4491 |
| AOS apparent opening size O95 | mm   | <0.061          | 5                | /                                | ASTM D 4751 |