

**PSGTECHS COE INDUTECH**  
**Harmonized Test Methods Nonwovens and Related Industries**  
**Table of Contents**

Description	Method Number	Equivalent Methods	ISO Reference
<b><u>1) GUIDANCE DOCUMENTS</u></b> Glossary of Terms How to Write a Test Method Sample and Laboratory Conditioning Worldwide Associations Sampling List of Vendors Guidance to Nonwoven Test Methods Guidance to Highloft Test Methods	WSP 1.0 (09) WSP 2.0 (09) WSP 3.0 (09) WSP 4.0 (09) WSP 5.0 (09) WSP 6.0 (09) WSP 7.0 (09) WSP 8.0 (09)	Original Document Original Document ERT 60.2 (99) ERT Useful Addresses ERT 130.2 (99) IST Useful Vendor's List INDA Guidance Document INDA Guidance Document	
<b><u>2) ABSORPTION</u></b> Nonwoven Absorption Rate of Sorption of Wiping Materials Demand Absorbency Evaluation of Oil and Fatty Liquids Absorption	WSP 10.1 (08) WSP 10.2 (08) WSP 10.3 (08) WSP 10.4 (08)	ERT 10.4 (02) IST 10.2 (01) ERT 230.1 (02) Original Method	9073 - 6:2000  9073 – 12-2002
<b><u>3) ABRASION RESISTANCE</u></b> Inflated Diaphragm Flexing and Abrasion Double Rotary Platform (Tabor) Modified Martindale	WSP 20.1 (08) WSP 20.2 (08) WSP 20.4 (08) WSP 20.5 (08)	Modified IST 20.1 (01) Modified IST 20.2 (01) Modified IST 20.4 (01) Modified IST 20.5 (01)	
<b><u>4) BURSTING STRENGTH</u></b> Diaphragm Burst Burst	WSP 30.1 (08) WSP 30.2 (08)	Modified IST 30.1 (01) ERT 80.4 (02)	
<b><u>5) ELECTROSTATIC PROPERTIES</u></b> Surface Resistivity Decay	WSP 40.1 (08) WSP 40.2 (08)	IST 40.1 (01) IST 40.2 (01)	
<b><u>6) OPTICAL PROPERTIES</u></b> Opacity (INDA) Brightness (INDA) Brightness (EDANA) Opacity (EDANA) Fiber Orientation Distribution	WSP 60.1 (08) WSP 60.2 (08) WSP 60.3 (08) WSP 60.4 (08) WSP 60.5 (09)	IST 60.1 (01) IST 60.2 (01) ERT 100.1 (78) ERT 110 1 (78) New Document	

**PSGTECHS COE INDUTECH**  
**Harmonized Test Methods Nonwovens and Related Industries**  
**Table of Contents**

Description	Method Number	Equivalent Methods	ISO Reference
<b>7) PERMEABILITY</b>			
Air Permeability	WSP 70.1 (08)	Modified IST 70.1 (01)	9073 – 15:2007
Liquid Strike-Through	WSP 70.3 (08)	ERT 150.5 (02)	9073 – 8:1995
Water Vapor Transmission Rate	WSP 70.4 (08)	IST 70.4 (01)	
Mocon/INDA			
Water Vapor Transmission Rate	WSP 70.5 (08)	EDANA New Method	
Mocon/EDANA, Part 1			
Water Vapor Transmission Rate	WSP 70.6 (09)	EDANA New Method	
Lyssy/EDANA, Part 2			
Repeated Liquid Strike-Through Time	WSP 70.7 (09)	ERT 153.0 (02)	9073 – 13:2006
Wetback after Repeated Strike-Through	WSP 70.8 (09)	ERT 154.0 (02)	9073 – 14:2006
<b>8) REPELLENCY</b>			
Surface Wetting Spray	WSP 80.1 (09)	IST 80.1 (01)	
Penetration by Water (Rain Test)	WSP 80.2 (09)	IST 80.2 (01)	
Penetration by Water (Spray Impact)	WSP 80.3 (09)	Modified IST 80.2 (01)	9073 – 17:2008
Penetration by Saline Solution	WSP 80.5 (09)	IST 80.5 (01)	
(Automated Mason Jar)			
Water Resistance (Hydrostatic Pressure)	WSP 80.6 (09)	IST 80.6 (01)/IST 80.4 (01)	9073 – 16:2007
Penetration by Oil(Hydrocarbon Resistance)	WSP 80.7 (09)	IST 80.7 (01)	
Alcohol Repellency	WSP 80.8 (09)	IST 80.8 (01)	
Run-Off	WSP 80.9 (09)	ERT 152.2 (02)	9073 – 11:2002
Coverstock Wetback	WSP 80.10 (09)	ERT 151.3 (02)	
Wet Barrier Mason Jar	WSP 80.11 (09)	ERT 170.1 (02)	
<b>9) STIFFNESS</b>			
Cantilever Bending (INDA)	WSP 90.1 (09)	Modified IST 90.1 (01)	9073 – 7:1995
Stiffness Using the Gurley	WSP 90.2 (09)	Modified IST 90.2 (01)	
Handle-O-Meter	WSP 90.3 (09)	Modified IST 90.3 (01)	9073 – 9:1995
Cusick Drape	WSP 90.4 (09)	ERT 90.4 (99)	
Bending Length (EDANA)	WSP 90.5 (09)	ERT 50.5 (99)	
Drapeability	WSP 90.6 (09)	New Document	
<b>10) TEAR STRENGTH</b>			
Elmendorf	WSP 100.1 (09)	Modified IST 100.1 (01)	
Trapezoid Tear	WSP 100.2 (09)	IST 110.2 (01)/ ERT 70.4 (99)	9073 – 4:2008

**PSGTECHS COE INDUTECH**  
**Harmonized Test Methods Nonwovens and Related Industries**  
**Table of Contents**

Description	Method Number	Equivalent Methods	ISO Reference
Tongue Tear <b><u>11) TENSILE</u></b> Grab Tensile Bond Strength Strip Tensile Ball Burst	WSP 100.3 (09) WSP 110.1 (09) WSP 110.3 (09) WSP 110.4 (09) WSP 110.5 (09)	Modified IST 100.3 (01) Modified IST 110.1 (01) New Document IST 110.5 (02)/ERT 20.2(89) Original Method	9073 – 18:2007 9073 – 3:1989 ISO/DIS 9073 – 5
<b><u>12) THICKNESS</u></b> Thickness (INDA) Thickness of Highloft Compression and Recovery, Highloft Compression and Recovery, Highloft Using Weights and Plates Compression and Recovery, Highloft High Temperature/High Humidity Thickness (EDANA)	WSP 120.1 (09) WSP 120.2 (09) WSP 120.3 (09) WSP 120.4 (09) WSP 120.5 (09) WSP 120.6 (09)	Modified IST 120.1 (01) Modified IST 120.2 (01) IST 120.3 (01) IST 120.4 (01) IST 120.5 (01) ERT 30.5 (99)	9073 – 2:1995
<b><u>13) WEIGHT</u></b> Mass per Unit Area	WSP 130.1 (09)	ERT 40.3 (90)	9073 – 1:1989
<b><u>14) BINDER/APPEARANCE/DRY CLEANING</u></b> Binder Distribution/Penetration Appearance and Integrity of Highloft Batting	WSP 150.1 (09) WSP 150.2 (09)	IST 50.1 (01) IST 50.2 (01)	
<b><u>15) LINTING</u></b> Particulate Shedding, Dry Particulate Shedding, Wet Fibrous Debris from Nonwovens Fibrous Debris from Hydrophobic Nonwovens	WSP 160.1 (09) WSP 160.2 (09) WSP 160.3 (09) WSP 160.4 (09)	IST 160.1 (01)/ERT 220.1(02) IST 160.2 (01) IST 160.3 (01) IST 160.4 (01)	9073 – 10:2003
<b><u>16) GEOTEXTILES</u></b> Conditioning Sampling Bursting Strength	WSP 3.0 (09) WSP 5.0 (09) WSP 30.1 (08)	ERT 60.2 (99)/ISO 554 ERT 130.2 (89) Modified IST 30.1 (01)	

**PSGTECHS COE INDUTECH**  
**Harmonized Test Methods Nonwovens and Related Industries**  
**Table of Contents**

Description	Method Number	Equivalent Methods	ISO Reference
Air Permeability Cantilever Stiffness Trapezoid Tear Force and Elongation Grab Breaking Force Strip Test Thickness Thickness of Highloft Mass per Unit Area	WSP 70.1 (08) WSP 90.1 (09) WSP 100.2 (09) WSP 110.1 (09) WSP 110.4 (09) WSP 120.1 (09) WSP 120.2 (09) WSP 130.1 (09)	Modified IST 70.1 (01) Modified IST 90.1 (01) Modified IST 100.3 (01) Modified IST 110.1 (01) IST 110.5 (02)/ERT 20.2(89) Modified IST 120.1 (01) Modified IST 120.2 (01) ERT 40.3 (90)	
<b><u>17) SUPERABSORBENT MATERIALS</u></b>			
pH of Polyacrylate (PA) Powders Residual Monomers Particle Size Distribution Mass Loss Upon Heating Free Swell Capacity in Saline, Gravimetric Determination Fluid Retention Capacity in Saline, After Centrifugation Absorption Under Pressure, Gravimetric Determination Flow-rate, Gravimetric Determination Density, Gravimetric Determination Extractable Respirable Particles Dust in Collection, Sodium Atomic Absorption/Emission Spectrometry	WSP 200.2 (09) WSP 210.2 (09) WSP 220.2 (09) WSP 230.2 (09) WSP 240.2 (09)  WSP 241.2 (09)  WSP 242.2 (09)  WSP 250.2 (09) WSP 260.2 (09) WSP 270.2 (09) WSP 280.2 (09) WSP 290.2 (09)	ERT 400.2 (02)/IST 200.1(02) ERT 410.2 (02)/IST 210.2(02) ERT 420.2 (02)/IST 220.0(02) ERT 430.2 (02)/IST 230.0(02) ERT 440.2 (02)/IST 240.2(02)  ERT 441.2 (02)/IST 241.2(02)  ERT 442.2 (02)/IST 242.2(02)  ERT 450.2 (02)/IST 250.0(02) ERT 460.2 (02)/IST 260.2(02) ERT 470.2 (02)/IST 270.2(02) ERT 480.2 (02)/IST 280.2(02) ERT 490.2 (02)/IST 290.2(02)	17190 – 1:2001 17190 – 2:2001 17190 – 3:2001 17190 – 4:2001 17190 – 5:2001  17190 – 6:2001  17190 – 7:2001  17190 – 8:2001 17190 – 9:2001 17190 – 10:2001 17190 – 11:2001
<b><u>18) BACTERIAL</u></b>			
Filtration Efficiency Dry Bacterial Penetration Wet Bacterial Penetration	WSP 300.0 (09) WSP 301.0 (09) WSP 302.0 (09)	ERT 180.0.(89) ERT 190.1 (02) ERT 200.1 (02)	
<b><u>19) FORMALDEHYDE</u></b>			
Water Extraction Method I Stressed Extraction Method II Free Formaldehyde Determination	WSP 310.1 (09) WSP 311.1 (09) WSP 312.0 (09)	ERT 210.1 (99) ERT 211.1 (99) ERT 212.0 (96)	

# **PSGTECHS COE INDUTECH**

## **Harmonized Test Methods Nonwovens and Related Industries**

### **Table of Contents**

**PSGTECHS COE INDUTECH**  
**Harmonized Test Methods Nonwovens and Related Industries**  
**Table of Contents**

Description	Method Number	Equivalent Methods	ISO Reference
Onsite Treatment Compatibility	WSP 533.1 (09)	New Method	
Onsite Treatment Biodisintegration	WSP 533.2 (09)	New Method	
Field Soil Biodisintegration	WSP 534.2 (09)	New Method	
<b>23) FIBER GLASS MATS</b>			
Sampling and Lot Acceptance	WSP 600.0 (08)	TAPPI T-1006	
Sample Location for Fiber Glass Mat Sheets	WSP 601.0 (08)	TAPPI T-1007	
Test Conditions for Fiber Glass Mat	WSP 602.0 (08)	TAPPI T-1008	
Tensile Strength and Elongation at Break	WSP 603.0 (08)	TAPPI T-494	
Basis Weight	WSP 604.0 (08)	TAPPI T-410	
Moisture Content	WSP 605.0 (08)	TAPPI T-1012	
Loss on Ignition of Fiber Glass Mat	WSP 606.0 (08)	TAPPI T-1013	
Moisture Sensitivity of Fiber Glass Mat	WSP 607.0 (08)	TAPPI T-1014	
Uniformity of Fiber Glass Mats	WSP 608.0 (08)	TAPPI T-1015	
Average Fiber Diameter of Fiber Glass Mats	WSP 609.0 (08)	TAPPI T-1016	