

PROPERTY	TEST METHOD	PRODUCT
FORMULATION		PPT® Slow Recovery
*DENSITY, lb./ft ³ Specific Gravity Tolerance, %	ASTM D3574-95 Test A	15 .24 ±10
*STANDARD THICKNESS Tolerance, %		See product availability ±10
STANDARD COLOR		Lavender
AIR PERMEABILITY	Gurley Densometer	Open Cell - Breathable
*COMPRESSION SET, % max.	ASTM D35 74 Test D @ 158°F (70°C)	10
*COMPRESSION FORCE DEFLECTION, psi kPa	0.2"/min. Strain Rate Force Measured @ 25% Deflection	1.5 - 6.5 10 - 45
HARDNESS, Durometer	Shore "0"	18
HYDROLYSIS RESISTANCE Compression Set, % Max	ASTM D35 74 Test J/Test D after autoclaved 5 hrs @ 250°F (121°C)	Good Resistance 5
RESILIENCE, Shore Instrument Resiliometer, avg (Ball Rebound Tester)	ASTM D 2632-96, Vertical Rebound	4
WATER VAPOR TRANSFER, Typical g/ft ² /24hrs (g/m ² /24hrs)	Based on ASTM E9 6-00	>37 (400)
WATER ABSORPTION, % Wt Gain	Based on ASTM D5 70	< 30%
ANTIMICROBIAL, Fungal Resistance	ASTM G21	Does not promote fungal growth
SKIN CONTACT	Primary Skin Irritation - FHSA	Pass
TEAR STRENGTH, pli, min. kN/m	ASTM D6 24 Die C	5 0.9
*TENSILE ELONGATION, % min.	ASTM D35 74 Test E	120
*TENSILE STRENGTH, psi, min.** kPa	ASTM D3574 Test E	40 276
TEMPERATURE RESISTANCE, max Recommended Constant Use Recommended Intermittent Use	ASTM D746-98	70°C (158°F) 121°C (250°F)
CHEMICAL RESISTANCE		Langer PPT® is unaffected by mild organic acids and bases. They show modest swelling with oils and greases and other linera hydrocarbons. Strong polar solvents will greatly swell PPT®. In most cases, physical properties recover to a great extent as the solvents evaporate.
ANTIMICROBIAL PROTECTION	AATCC TM90 JIS Z 2801 AATCC TM30(iii)	PASS