



AFT – Advanced Foot Technology
 Ter Stratenweg 50
 B-2520 Oelegem
 Tel: +32.(0).3.475.93.03
 Fax: +32.(0).3.475.93.20
 E-mail: info@aft-international.be

PU DIABET AND PU DIABET SLOW

PU DIABET = PORON SR SOFT
 PU DIABET SLOW= PORON SR VERY SOFT

PROPERTY	TEST METHOD	PRODUCT					
		PORON SR Very Soft		PORON SR Soft		PORON SR Firm	PORON SR Very Firm
Formulation							
Specific Gravity		0.24	0.32	0.24	0.32	0.24	0.24
Tolerance, %		± 10					
Standard Thickness		See Product Availability					
Tolerance, %		± 10					
Standard Color		62 – Red		47 – Salmon		51 - Lambda Red	42 – Cayenne Red
Compression Set, % max.	ASTM D3574 Test D @ 158°F (70°C)	0 < 10					
Compression Force Deflection, psi, (kPa)	0.2"/min. Strain Rate Force Measured @ 25% Deflection	4 – 8 (27–55)	7 – 13 (48–90)	8 – 14 (55–97)	13 – 23 (90–159)	3 – 14 (21-97)	7 – 18 (48-124)
Dimensional Stability, % max change	22 hrs. @ 176°F (80°C) in a forced-air oven	± 2.5					
Hardness, Durometer	Shore "O"	12	17	18	24	22	30
Resilience, Shore Instrument Resiliometer, avg (Ball Rebound Tester)	ASTM D2632-92, Vertical Rebound	4	5	4	5	7	8
Tear Strength, pli, min. (kN/m)	ASTM D624 Die C	4 (0.7)	6 (1.0)	5 (0.9)	10 (1.8)	10 (1.7)	12 (2.1)
Tensile Elongation, % min.	ASTM D3574 Test E	120	120	120	100	100	100
Tensile Strength, psi, min. (kPa)	ASTM D3574 Test E	15 (104)	25 (173)	40 (276)	80 (553)	80 (553)	100 (691)
Skin Contact	Schwartz and Peck Human Patch Test	-		No evidence of Erythema or Edema	-	No evidence of Erythema or Edema	
Chemical Resistance		PORON urethanes are unaffected by mild organic acids and bases. It shows modest swelling with oils and greases and other linear hydrocarbons. Strongly polar solvents will greatly swell PORON urethane. In most cases, physical properties recover to a great extent as the solvents evaporate.					

The above data represents preliminary values. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The user should determine the suitability of PORON® Performance Urethanes for each application.

Notes:

1. All metric conversions are approximate.