



MATERIAL SPECIFICATIONS

PEARLVEIL™ 110-30

BARCOL HARDNESS TEST MAT-2220

AF Number: 30394
 Date: 6/19/97
 Requester: Roth
 Analyst: LHL
 Calibration: 45

Reading	29
Std. Dev.	1.9

TENSILE TEST—ENGLISH UNITS INSTRON 4204 ASTM D-638 MAT-2202

Test type: Tensile
 Operator name: LSJ
 Sample Identification: 30394T5
 Interface Type: 4200
 Sample Rate (pts/secs): 5.0000
 Crosshead Speed: 0.2000 in/min
 2nd Crosshead Speed: 0.0000 in/min
 Full Scale Load Range: 10000.000 lbf

	Maximum Tensile Strength (psi)	Modulus (ksi)	Elongation at Max. Load (%)	Stress at Yield (psi)	Elongation at Yield (%)	Elongation at Break (%)	Width (in)	Thickness (in)
mean	2888	693.8	0.48	0	0	0.48	0.477	0.078
s.d.	213	120.4	0.10	0	0	0.13	0.002	0.005

FLEX TEST—ENGLISH UNITS INSTRON 4202 ASTM D-790 MAT-2203 (SMOOTH SIDE UP)

Test type: Flex
 Operator name: KLD
 Sample Identification: 30394F5
 Interface Type: 4200
 Sample Rate (pts/secs): 1.0000
 Crosshead Speed: 0.0400 in/min
 2nd Crosshead Speed: 0.0000 in/min
 Full Scale Load Range: 1000.000 lbf

	Flexural Strength (psi)	Tangent Modulus (ksi)	Load at Yield (lbs)	Strain at Yield (in/in)	Width (in)	Thickness (in)	Span (in)
mean	5654.4	477.7	415.9	0.013	0.974	0.080	1.500
s.d.	1875.4	38.8	5.6	0.004	0.009	0.003	0

Instron Corp. Series IX Automated Materials Testing System: 7.27.00
 Test date: Friday, June 20, 1997
 Humidity (%): 50
 Temperature: 73° F

*Testing performed in cooperation with
 Ashland Chemical Physical Testing Lab.*