

# Material Test Report

## EJ273-70 / EJ274-70

**COMPOUND: EJ273-70 / EJ274-70**

**EJ273-70 SPECIFICATION: ASTM D2000 M4CA710A25B35EA14Z1**

**EJ274-70 SPECIFICATION: ASTM D2000 M4CA710A25B35EA14Z1Z2**

**DATE: OCTOBER 5, 2006**

	SPECIFICATION	RESULTS EJ273-70	RESULTS EJ274-70
<b>ORIGINAL PHYSICAL PROPERTIES:</b>			
Hardness, Shore A Points (D2240)	70 ± 5	70	71
Tensile, MPa (D412)	10.0 min.	14.6	14.7
Elongation, % (D412)	200 min.	249	343
Internal Lubrication <b>Z2</b>	Present		Present
<b>HEAT RESISTANCE: (D865)</b> <b>70 hrs. @ 125 °C</b>			
Hardness Change, points	+10 max.	+3	No Change
Tensile Change, %	-20 max.	+9	-2
Elongation Change, %	-40 max.	+12	+4
<b>COMPRESSION SET: (D395B)</b> <b>22 hrs. @ 125 °C (Plied)</b>			
Set, %	70 max.	15	22
<b>DISTILLED WATER: (D471)</b> <b>70 hrs. @ 100 °C</b>			
Volume Change, %	± 5	+3	+3
<b>CHLORAMINE IMMERSION: (D6284) Z1</b> <b>50 ppm Total Residual Chlorine @ 70 °C</b> <b>Sample size: 25 x 50 x 1.02 mm</b> <b>Volume Change, %</b>			
70 hrs.	Record	+1	+3
500 hrs.	Record	+6	+9
1000 hrs.	Record	+16	+20
1344 hrs.	Record	+33	+34

**Z1 = CHLORAMINE IMMERSION: (D6284)**

**50 ppm Total Residual Chlorine @ 70 °C**

**Sample size: 25 x 50 x 1.02 mm**

**Volume Change, %**

70 hrs. Record

500 hrs. Record

1000 hrs. Record

1344 hrs. Record

**Z2 = Internal Lubrication Present**