

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
ORIGINAL PHYSICAL PROPERTIES:			
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 Z2	Present		Present
HEAT RESISTANCE: (D865) 70 hrs. @ 125 °C			
Hardness Change, points	+10 max.	+3	No Change
Tensile Change, %	-20 max.	+9	-2
Elongation Change, %	-40 max.	+12	+4
COMPRESSION SET: (D395B) 22 hrs. @ 125 °C (Plied)			
Set, %	70 max.	15	22
DISTILLED WATER: (D471) 70 hrs. @ 100 °C			
Volume Change, %	± 5	+3	+3
CHLORAMINE IMMERSION: (D6284) Z1 50 ppm Total Residual Chlorine @ 70 °C Sample size: 25 x 50 x 1.02 mm Volume Change, %			
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