



## PHYSICAL (MECHANICAL) PROPERTIES

TEI STYLE NO.: TE-170-T DESCRIPTION: 70a ±5 Low-Temp NBR

MATERIAL SPEC.: \_\_\_\_\_ REV.: N/A

REQUIREMENT	QUALIFICATION VALUE	CONTROL LIMITS
Hardness, ASTM D 2240, Shore A or ASTM 1415, IRHD	70 ±5	±5

### NORMAL PHYSICAL PROPERTIES

*ASTM D 1412 OR ASTM D 1414*

REQUIREMENT	QUALIFICATION VALUE	CONTROL LIMITS
Tensile Strength, <i>psi</i>	1350 min.	N/A
Tensile Stress at 50% Elongation, <i>psi</i>	N/A	N/A
Tensile Stress at 100% Elongation, <i>psi</i>	400 min.	N/A
Tensile Stress at 300% Elongation, <i>psi</i>	N/A	N/A
Ultimate Elongation, %	190 min.	N/A
<u>Compression Set</u> , ASTM D 1414 or ASTM D 395, Method B, Type 1, 70 hrs. at 212 °F (100 °C), % Original Deflection	40 max.	N/A
<u>Compression Set</u> , ASTM D 395, Method B, Type 1, 22 hrs. at 158 °F, % of Original Deflection	N/A	N/A

### API 6A RETAINED FLUID RESISTANCE

*The compound shall, within the limits below, resist the effect of ASTM #3 oil after total immersion at 212 °F for 70 hrs., per ASTM D 471*

REQUIREMENT	QUALIFICATION VALUE	CONTROL LIMITS
Volume Change, %	-15 to +25	N/A
Hardness Change, Shore A or IRHD	±15	N/A
Tensile Strength, % Change	±25	N/A
Ultimate Elongation, % Change	±40	N/A
Tensile Stress, Change at 100% Elongation	±25	N/A