



PHYSICAL (SPECIFICATION) PROPERTIES

TEI STYLE NO.: TE-490

DESCRIPTION: 90 – 95a TFEP (Aflas)

REQUIREMENT	QUALIFICATION VALUE	CONTROL LIMITS	TYPICAL
Hardness, ASTM D 2240, Shore A or ASTM 1415, IRHD	90 – 95a		

NORMAL PHYSICAL PROPERTIES

ASTM D 1412 OR ASTM D 1414

REQUIREMENT	QUALIFICATION VALUE	CONTROL LIMITS	TYPICAL
Tensile Strength, <i>psi</i>	3000 min.		
Tensile Stress at 50% Elongation, <i>psi</i>	1200 min.		
Tensile Stress at 100% Elongation, <i>psi</i>	N/A		
Tensile Stress at 300% Elongation, <i>psi</i>	N/A		
Ultimate Elongation, %	75 min.		
<u>Compression Set</u> , ASTM D 1414 or ASTM D 395, Method B, Type 1, 70 hrs. at 212 °F (100 °C), % Original Deflection	N/A		
<u>Compression Set</u> , ASTM D 395, Method B, Type 1, 22 hrs. at 212 °F, % of Original Deflection	75 max.		
<u>Heat-Aged Physical Properties</u> , 70 hrs. at 300 °F, (retention of tensile strength, %)	50 min.		
<u>Fluid Resistance</u> , Diesel Fuel, 70 hrs. at 300 °F, volume change, %	50 max.		