



ELEXAR® THERMOPLASTIC ELASTOMER

Typical Property Values - ELEXAR EL-8421

PROPERTY*	TEST METHOD	TYPICAL VALUES	TEST UNITS	TYPICAL VALUES	TEST UNITS
HARDNESS	ASTM D-2240	92	Shore A		
SPECIFIC GRAVITY	ASTM D-792	0.98			
TENSILE STRENGTH	ASTM D-412	2,260	psi	15.6	MPa
ULTIMATE ELONGATION	ASTM D-412	660	%		
Aged 18 hrs @ 121°C in Vegetable Oil (Injection molded plaque) % Tensile Retention % Elongation Retention % Volume swell	ASTM D471	60 70 1	% % %		
Aged 18 hrs @ 121°C in Animal Fat (Injection molded plaque) % Tensile Retention % Elongation Retention % Volume swell	ASTM D471	70 75 1	% % %		
OXYGEN INDEX	ASTM D-2863	17	% O2		
BRITTLE POINT	ASTM D-746			-86	°C
MELT INDEX, CONDITION L 230°C/2160 gms	ASTM D-1238	13.5	gms		
MAXIMUM CONTINUOUS OPERATING TEMP.	UL-1581	105		°C	

*Not to be construed as specification.