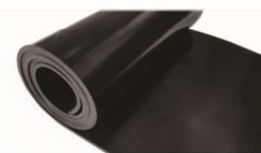


# Zen-Star CL FRAS

## PRODUCT CODE – NE 70140 FRAS



### TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		IPS UNITS		IPS UNITS
SPECIFIC GRAVITY		1.40 ± 0.05	ASTM D297	1.40±0.05
HARDNESS	ISO 48-4	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH ( min )	ISO 37	180 kg/cm 2	ASTM D412	2560 PSI
ELONGATION AT BREAK ( min )	ISO 37	500%	ASTM D412	500 %
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	ISO 815-1	50 %	ASTM D395 METHOD B	50 %
ABRASION RESISTANCE ( max )	ISO 4649	170 mm3	ASTM D5963	170 mm3
TEAR RESISTANCE ( Angular ) min	ISO 34-1	140 Lbs/Inch	ASTM D624	25 Kg/cm
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR ( 72 hrs. AT 70 °C )			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 15		+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.901		+ 18%		+ 18%
IN IRM OIL NO.902		+ 23%		+ 23%
IN IRM OIL NO.903		+ 60%		+ 60%
FIRE RESISTANCE	ISO 340	PASSES		PASSES
CHEMICAL RESISTANCE				
--- OZONE		GOOD	ASTM D 1149	GOOD
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30° to + 120° C		-30 ° to + 120° C
COLOR		BLACK		BLACK
DESIGN		PULLEY LAGGING SQUARE DESIGN WITH CERAMIC TILES + 1 MM CN BONDING LAYER		

Note: All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.\*

