

Zen-Star FRAS

PRODUCT CODE – NE 70140 FRAS



TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES FPS 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	2560 PSI	ASTM D412	180 kg/cm 2
ELONGATION AT BREAK (min)	ISO 37	500%	ASTM D412	500 %
COMPRESSION SET (70°C/22 hrs/25% compression) (max)	ISO 815-1	50 %	ASTM D395 METHOD B	50 %
TEAR RESISTANCE (Angular) min	ISO 34-1	140 Lbs/Inch	ASTM D624	25 Kg/cm
ABRASION RESISTANCE (max)	ISO 4649	170 mm ³	ASTM D5963	170 mm ³
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 / -25
--- ELONGATION AT BREAK (%)		+10 / -20		+10 / -20
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
HRS IN IRM OIL NO.901		+18%		+18%
IN IRM OIL NO.902		+23%		+23%
IN IRM OIL NO.903		+60%		+60%
FIRE RESISTANCE	UL 94 V0	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

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

