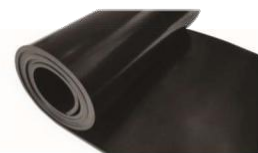


# Zen-Star FRAS ECO

## PRODUCT CODE – PL NR 70140



### TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		FPS UNITS
SPECIFIC GRAVITY	DIN 53508	1.40±0.05	ASTM D297	1.40 ±0.05
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	2133 PSI	ASTM D412	150 kg/cm 2
ELONGATION AT BREAK ( min )	DIN 53504	400 %	ASTM D412	400 %
ABRASION RESISTANCE ( max )	DIN 53516	200 mm3	ASTM D5963	200 mm3
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	20 %	ASTM D395 METHOD B	20 %
TEAR RESISTANCE ( Angular ) min	DIN 53515	252 Lbs/Inch	ASTM D624	45 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR ( 72 hrs. AT 70 °C ) --- HARDNESS (Pts)		+ 5 (Max)	ASTM D573	+ 5 (Max )
--- TENSILE STRENGTH (%)		+10/-25		+10 /- 25
--- ELONGATION AT BREAK (%)		+10/-25		+10 /- 25
VOLUME SWELL : AT 70°C FOR 72 HRS IN IRM OIL NO.901		NOT RECOMMENDED	ASTM D 471	NOT RECOMMENDED
IN IRM OIL NO.902		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.903		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30° to + 70° C		-30 ° to + 70° C
COLOR		BLACK		BLACK
FINISH	MINI /MAX DIAMOND OTHER SIDE 1 MM CN BONDING LAYER			

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

