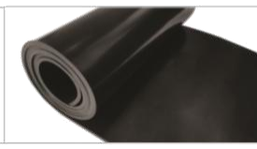
ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.
Quality Rubber Solutions

GOVERNMENT OF INDIA RECOGNISED EXPORT HOUSE

सत्यमेव जयते

DDEI-N 70155 DIAMOND MAT

PRODUCT CODE – DDEI-N 70155



TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES FPS UNITS
SPECIFIC GRAVITY	-	1.55 ± 0.05	ASTM D297	1.55 ± 0.05
HARDNESS	ISO 48-4	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	ISO 37	711 PSI	ASTM D412	50 kg/cm 2
ELONGATION AT BREAK (min)	ISO 37	250%	ASTM D412	250 %
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	ISO 815-1	50 %	ASTM D395 METHOD B	50 %
TEAR RESISTANCE (Angular) min	ISO 34-1	112 Lbs/Inch	ASTM D624	20 Kg/cm
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 20 % (Max)		+ 20 % (Max)
--- ELONGATION AT BREAK (%)		+ 30 % (Max)		+ 30 % (Max)
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.901		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.902		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.903		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE – 200 PPHM 48 H 40°C	ISO 1431-1	NO CRACKS	ASTM D 1149	NO CRACKS
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-35° to + 130° C		-30 ° to + 130° C
COLOR		BLACK, GREY		BLACK, GREY

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

ISO140 01 : 2015 ISO 9001 : 201 5