

# TECHNICAL INFORMATION

## MAXIMUM VOLTAGE

Product Code	Class	Colour	Max Use Voltage	AC Proof Voltage	Di-electric Voltage	Recom. Thickness
IM-ASTM-C0T1 IM-ASTM-C0T2	0	Black	1.0 kV	5.0 kV	10.0 kV	3.2 mm
IM-ASTM-C1T1 IM-ASTM-C1T2	1	Black	7.5 kV	10.0 kV	20.0 kV	4.8 mm
IM-ASTM-C2T1 IM-ASTM-C2T2	2	Black	17.0 kV	20.0 kV	30.0 kV	6.4 mm
IM-ASTM-C3T1 IM-ASTM-C3T2	3	Black	26.5 kV	30.0 kV	40.0 kV	9.5 mm
IM-ASTM-C4T1 IM-ASTM-C4T2	4	Black	36.0 kV	40.0 kV	50.0 kV	12.7 mm

## STOCK ROLL SIZES

Product Code	Class	Type	Anti-Skid Design	Std. Width	Std. Length	Weight/Roll
IM-ASTM-C0T1-BLAFT-3.2MM IM-ASTM-C0T2-BLAFT-3.2MM	0	$\frac{1}{2}$	Top: Fine Ribbed Bottom: Textured	1.0 m	10.0 m	42 kg(s)
IM-ASTM-C1T1-BLAFT-4.8MM IM-ASTM-C1T2-BLAFT-4.8MM	1	$\frac{1}{2}$		1.0 m	10.0 m	68 kg(s)
IM-ASTM-C2T1-BLAFT-6.4MM IM-ASTM-C2T2-BLAFT-6.4MM	2	$\frac{1}{2}$		1.0 m	10.0 m	92 kg(s)
IM-ASTM-C3T1-BLAFT-9.5MM IM-ASTM-C3T2-BLAFT-9.5MM	3	$\frac{1}{2}$		1.0 m	10.0 m	140 kg(s)
IM-ASTM-C4T1-BLAFT-12.7MM IM-ASTM-C4T2-BLAFT-12.7MM	4	$\frac{1}{2}$		1.0 m	10.0 m	190 kg(s)

\* Tolerance Level:  $\pm 0.8 - 1.2$ mm on thickness &  $\pm 13-25$ mm on width (subject to mat's class and width)

## CUSTOMIZE YOUR MAT

Customisation	Options
Width	Max Width upto 1220 mm (48 in)
Length	Max Length upto 30 m (100 ft) for below 6.4 mm thickness & Max Length upto 15 m (50 ft) for above 6.4 mm thickness
Color	Dark Grey or any other colour subject to techno-commercial feasibility
Anti-skid Design	Also available in both side textured design in all classes & types

## TECHNICAL SPECIFICATIONS

Characteristics	Type-I	Type-II
Material Composition	Made of elastomer or combination of elastomeric compound 4.83 MPa (min)	
Tensile Strength (min)	4.83 MPa (700 psi)	
Elongation at Break (min)	250%	
Ageing Properties at 70 $\pm$ 1°C for 168 hrs	Tensile strength not less than 50% of original value	
Moisture Absorption (% increase)	1.5% (max)	3% (max)
Ozone Resistance (Type IIA)	NA	No visible effect
Flame Resistance (Type IIB)	NA	12.7 mm height max after 30 secs
Oil Resistance (Type IIC)	NA	4% max volume increase

\* Unless specified otherwise, ASTM D178 mats is supplied as per Type I grade. Type II grade (A-Ozone Resistance, B-Flame Resistance, C-Oil Resistance) with a combination of all three or individual properties is also available on request.

