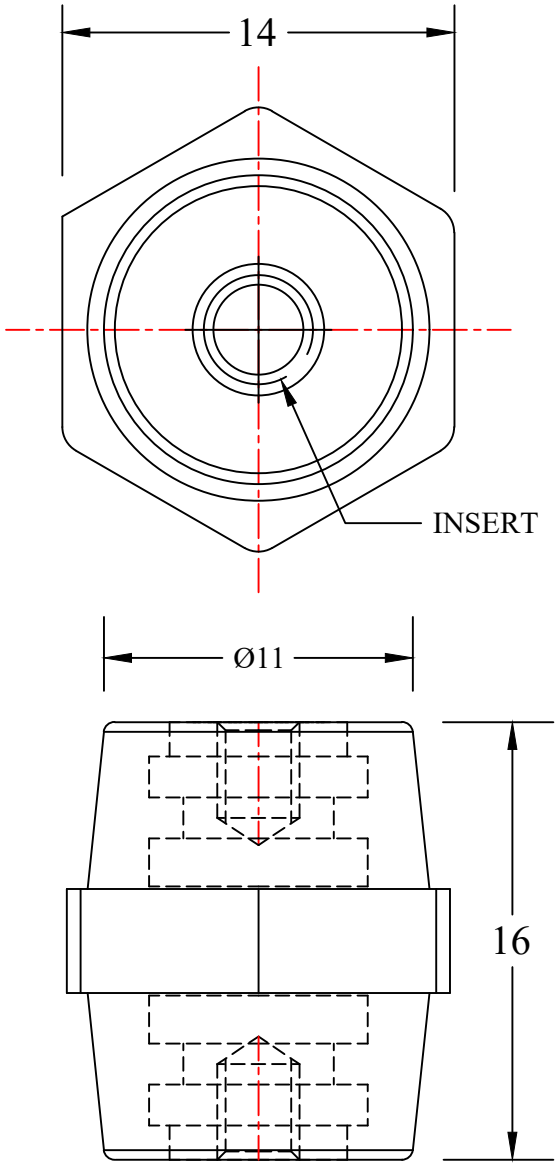

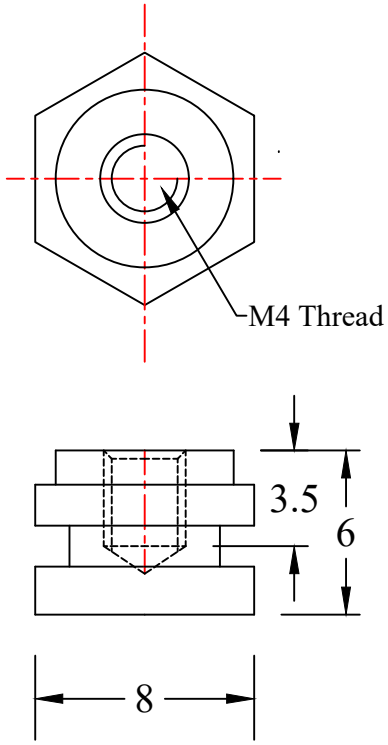

INSERT - MS (Zinc Plated)
M040608 (2 Nos.) , M04 x 3.5 mm
Effective Thread Length - Max. 3.5 mm

Technical Data Specification

a.) Cantilever Strength (Kgf) : 25

b.) Pulling Strength (Kgf) : 80

c.) Maximum Torque (Kgf-cm) : 25

d.) Compressive Str.(Kgf) : 950

e.) Breakdown Voltage (KV) : 15

f.) IR Value ($x10^6$ M Ω) : 10

g.) Nominal Voltage (AC/DC) Volts : 640/800

Note:
All above tests are based on the testing of the products produced from the standard formulation compounded material. As compound is heterogenous therefore the above valus may differ by ±5% .

DOUGH MOULDING COMPOUND PROPERTIES

	PROPERTIES	Units	Test Methods	Values	Testing Plan
PHYSICAL	Specific Gravity	-	ASTM D-792	1.9	Own Test Lab
	Glass Contents	%	N/A	20	Additive
	Water Absorptions(24 Hrs)	%	ASTM D-570	0.15	Own Test Lab
MECHANICAL	Tensile Strength	Kgf/cm^2	ASTM D-638	400	Own Test Lab
	Flexural Strength	Kgf/cm^2	ASTM D-790	900	Own Test Lab
	Impact Strength IZOD	J/m	ASTM D-256	250	Own Test Lab
	Compressive Strength	Kgf/cm^2	ASTM D-695	1500	Own Test Lab
ELECTRICAL	Dielectric Strength	KV/min	ASTM D-149	10	Own Test Lab / UL
	Compressive Tracking Index	Volts	BS-5901	>600	Own Test Lab / UL
	Arc Resistance	Sec.	ASTM D-495	180	Own Test Lab / UL
	Flammability Index		UL-94	V-0	Own Test Lab / UL
	GWIT (Thickness 3mm)	° C	IEC-60695-2-13	960	Own Test Lab / UL
	Hot Wire Ignition	Sec.	ASTM D-3874	>120	Own Test Lab / UL
	RTI Str. (Thickness 3 mm)	° C	UL-746B	130	UL
	RTI Elect. (Thickness 3mm)	° C	UL-746B	105	UL
	HVTR	mm/min	UL-746A	0 Through 10	UL
	High Amp Arc Ignition	mean no of arcs	UL-746A	>120	UL
	Material Group	-	IEC-60112	1	Based On CTI
	Pollution Degree	-	IEC-60950	3	Based On Std.
	Insulation Class	-	JIS C 4003	B	Based On Std.
	Working Temperature	° C	-	(-)40 to 130	Generic Prop./UL
	UL File No. - E249670				

Note :
1. All Dimensions are in mm only untill unless specified.
2. Tolerances are applicable as per Attached DIN std.

POWERMAT

POWERCAM ELECTRICALS (P) LTD.

Factory Address:
Khasra no. 40 // 21 ,22min , 45 //1 , 10 & 11 / 1 / 1 , Bahadurgarh Bypass Kasar - 124508 , State - Haryana
Country - India
Ph. No. : 91 11 45579634 , 25116836 , 25175575 , 41421589

http : www.powermatindia.com

TITLE	Standoff Insulator -Hexagonal	CUSTOMER		REV. NO.	DATE	AMMENDMENTS
PART CODE	H416(M4)	CUST. CODE				
MATERIAL	Dough Moulding Compound	DATE	11-12-2025			
COLOUR	Red	DRAWN BY	A.RAJ			
SKU NO.		VERIFIED BY	D.RAI			
SCALE N.T.S.		APPROVED BY	K.S.B.			
		SPECIAL INSTRUCTIONS:				

GEN. TOL. CHART (as per DIN ISO 2768)		
Linear Dimension	**Moulded Part**	**Metal Part**
from 1mm to 6mm	± 0.2 mm	± 0.1 mm
over 6mm to 30mm	± 0.3 mm	± 0.2mm
over 30mm to 120mm	± 0.8 mm	± 0.3mm
over 120mm to 400mm	± 1.2 mm	± 0.5mm
over 400mm to 1000mm	± 2.0 mm	± 0.8mm
over 1000mm to 2000mm	± 3.0 mm	± 1.2mm