

Product Technical Data Sheet

Mechanically woven Double Twisted Hexagonal shape wire mesh Sack Gabion Box Zinc 2.70mm Mesh Wire, 100X120mm Mesh Opening

Sr.No	Description	Requirements			Compliance
		Mesh	Selvedge	Lacing	
A	Wire Diameter				
	Zinc Coated Wire Diameter (mm)	2.70	3.40	2.20	IS 16014:2018 table 8
	Tolerance level in diameter (mm)	(+/-)0.07	(+/-)0.09	(+/-)0.06	
B	Tensile Strength & Elongation				
	Tensile Strength Requirement N/mm ²	350-550 N/mm ²			IS 16014:2018 clause 6.1
	Elongation Requirement (%)	Minimum 10%			IS 16014:2018 clause 6.1
C	Zinc Coating Requirement (gm/m²)	Min 260	Min 270	Min 240	IS 16014:2018 table 8
D	Adhesion Test	No Flakes After Testing			IS 16014:2018 clause 7.1.2
E	Mesh Opening (Test as per IS 16014)				
	Mesh Size, D (mm)	100			IS 16014:2018 table 9
	Tolerance	(+ 10%) TO (-10%)			
F	Minimum Strength Requirement of Mesh Panel				
(i)	Tensile Strength Parallel to Twist	32.00 kN/m			IS 16014:2018 Clause 6.2 and 11.2 and table 7
(ii)	Tensile Strength Perpendicular to Twist	15.50 kN/m			
(iii)	Selvedge Strength	10.20 kN/m			
(iv)	Punch Strength	17.80 kN/m			
(v)	Panel to Connection Strength (Lacing wire/ Fasteners)	10.20 kN/m			
G	Tolerance in Sack Gabion Box Sizes				
	Length and Diameter	(+ 5%) TO (-5%)			IS 16014:2018 table 1
H	Typical Sack Gabion Sizes				
	Length X Diameter (In meter)	1.50 X 0.74 and 2.0 X 0.96			IS 16014:2018 table 1