



**KingStone\_500** is a Reinforced woven coated geomembrane, High Stergnth HDPE Core and engineered coating blend make is ideal for use in water retention and containment applications. The durable, stress crack resistant, lightweight construction of **KingStone\_500** provides outstanding performance in many different climates and environmental conditions.

**KingStone\_500's** proprietary construction using a high strength woven core make it deal for applications such as farm pond Liners, aquaculture, wastewater lagoons, and landfill covers.

**KingStone\_500's** made with iLOCK technology which gives superior strength to product and useful for applications such as Hay Stack Covers, Grain Covers, Heavy Duty covers

**KingStone\_500's** proprietary engineered coating blend make it deal for Retention applications include golf course ponds, stormwater management, irrigation storage, canal liners, and potable water reservoirs.

Property	Test Method	Typical Value
Product Weight	IS 7016 - Part 1	420 GSM
Thickness	IS 7016 - Part 1	500 Micron
Breaking Strength - MD	IS 13162 - Part 5	7600 N
Breaking Strength - CD	IS 13162 - Part 5	7000 N
Elongation @ Break - MD	IS 13162	20 %
Elongation @ Break- CD	IS 13162	20 %
Tear Strength - MD	Method A1 of IS 7016 - Part 3	350 N
Tear Strength - CD	Method A1 of IS 7016 - Part 3	350 N
Hydrostatic Resistance	Annexure E of IS 15351 : 2015	No Leakage @ 15 kg / Sq.Cm
UV Weathering - % after 2000 Hours of Exposure	Annexure B of IS 15351	> 90 %
Bursting Strength	IS 7016 - Part 6	110 N / Sq.Cm
Puncture resistance	Annex D of IS 15351	500 N
Limited warranty Exposed	Limited warranty Exposed	5 Years
Limited Warranty Buried	Limited Warranty Buried	10 Years

1) Values are typical and not limiting specifications

2) MD & CD refers to machine and cross direction.

3) Warranty buried and exposed data is general recommendation



IS 15351:2015



CM/L: 7200181508

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