

HDPE Sprinkler System

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Agronomists all over the world believe that the sprinkler irrigation system is the best method to get maximum yield at an extremely low cost. Using sprinkler system can irrigate 2 to 3 time more farm land with same quantity of water. The sprinkler system cleans the surface of the plants which help in easy photosynthesis thus making plants able to produce more. It save from irregularities of the weather. In winters it saves from freezing of water, in summers it saves evaporation of water up to 40%. The Sprinkler effect (Like rain) saves water from flowing away and maximum water reaches to the roots of the plants. It spreads water around the farm in equal quantity thus saving plants from bad effects of water clogging and water scarcity. With Sprinkler Irrigation System farming can be done easily on uneven surfaces.

Construction :

HDPE High Density Poly Ethylene is the most popular variety of polymers. PARAS Sprinkler pipe is made of HDPE plastic material. It is the recommended material for the manufacture of high pressure pipes and is renowned world wide for its reliability. The Characteristics that makes it outstanding are its toughness, its resistance to chemical attack and its immunity to weather conditions. This makes it an excellent material to convey water.

Product Range :

PARAS sprinkler pipes are available in 63mm to 200mm diameter and pressure rating class I,II,III, IV, and Part I and Part II, PN-2.5 and PN-3.2, PN-4.0, PN-6.0 with complete range of fittings.

Properties :

Properties	Value
M.F.I (190C,5kg load)	0.20 to 1.1gm/10mins
Specified base density	940 to 958kg/M ³
Material Grade	PE-63, PE-80, PE-100
Carbon Black	(2.5±0.5%)
Antioxidant	<0.5% by mass
Tensile Strength (Min) (27±2C)	19MPa (Testing speed=100mm/min±10%)
Elongation	>500%
Reversion	<=3%
Hydraulic Characteristics	No sign of localized swelling, leakage or weeping (at 80C for 165 & 48hrs.)
Weldability	Shall Not Shown Swell, Burst or Weep

