ZHSU®

MPP CASING HIGH-VOLTAGE POWER PROTECTION

To Life[+] a Safety

MPP CASING HIGH-VOLTAGE POWER PROTECTION

Application

MPP electric protection pipes are widely used in trenchless technology, without massive dredging, excavation and damage the road, completed in the road, railway, river and other special areas of buildings, pipe laying, cable and the traditional " digging ", to fit the current environmental requirements, to avoid the traditional construction caused by the dust, traffic jams and other disturbing factors, alsocan be solved in a writing implement excavation area laying pipelines, such as monuments protected areas, greenhouse area of crops and farmland protection to highway, river, etc., that are also widely used in municipal services, telecommunications, electricity, gas, water, heating pipeline engineering.

MPP electric protection pipes are widely applied in trenchless technology construction, suitable for above 10KV wire and cables. It is divided into ordinary type and reinforced type. Ordinary type is suitable for excavation construction and non excavation crossing buried depth is less than 4M project.

Feature

- Excellent electrical insulation properties
- Long term service temperature: -5℃ -95℃
- Good stress resistance,high thermal compression strength
- Light weight,hotmelt connection
- Above 60 years service time
- Recycable and smooth pipe wall

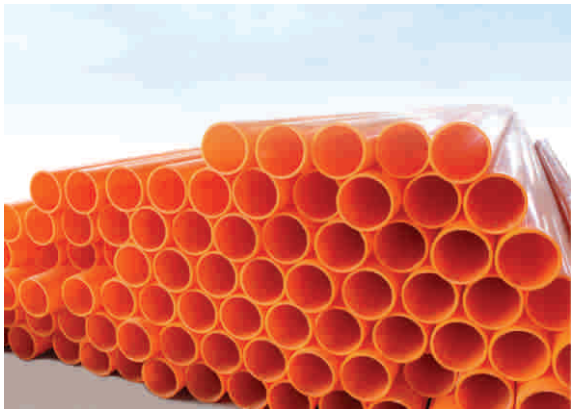
ZHSU®

Allowable Max. Pulling Force Under 23±2°C Temperature

Nominal Outer Diameter / Nominal Ringstiffness	110	125	140	160	180	200	250	250
20KN/M²	3060	3800	4800	6300	7900	9800	12400	15300
40KN/M²	3700	4800	6000	7900	10000	12300	15600	19300
80KN/M²	4600	5900	7500	9700	12400	15200	19300	23800

Specification

Nominal Outer Diameter (mm)	Ring Stiffness 20KN/M²	Ring Stiffness 40KN/M²	Ring Stiffness 80KN/M²
	Nominal Wall Thickness	Nominal Wall Thickness	Nominal Wall Thickness
110	5.7	7.2	9.1
125	6.4	8.2	10.3
140	7.2	9.2	11.6
160	8.2	10.5	13.2
180	9.2	11.8	14.9
200	10.3	13.1	16.5
225	11.6	14.8	18.6
250	12.8	16.4	20.6



Reference Value For Ring Compression Force

Type \ Pipe Diameter (mm)	180	200	225	250
Ordinary Type	2.00	2.30	2.40	2.50
Reinforced Type	3.70	4.50	4.60	4.70

Main Physical Properties

Item	Index	Test Mothod
Density/CM^3	0.91-0.95	GB/033-86
Coefficient Of Sliding Friction	<0.35	GB/T3960-89
Tensile Strength(23±2)^{0}C MPa	⩾24.0	GB/T1040-92
Tensile Strength(70±2)^{0}C MPa	⩾18.0	GB/T1040-92
The Tensile Strength Of Butt Fusion Welding MPa	⩾21.6	GB/T3960-92
Bending Strength(23±2)^{0}C MPa	⩾37.0	GB/T9341-2000
Modulus Of Elasticity MPa	900-1200	GB/T9341-2000
Plat Test(D/2,-5^{0}C)	No Breakage	GB/9647-88
Vicat Softening Temperature(10N.50^{0}C /h)^{0}C	⩾120	GB/T1633-2000
Hamper Drop Test(-5^{0}C)	No Breakage	GB/T6112-1985
D>160mm 10kg*2m		
D⩽160mm 6kg*2m		
D⩽125mm 5kg*2m		