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Product Name :

Adaptor PP Comp, HDPE 110mmxmthd GI. 4"O/ND-P

Product Code :

SLE/WDF/16



Science Lab
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Description :

Adaptor PP Comp, HDPE 110mmxmthd GI. 4"O/ND-P (Product Code: SLE/WDF/16) is a straight polypropylene adaptor used to connect a 110 mm HDPE water pipe into a 4-inch female-threaded GI socket, valve or fitting. One end is a compression joint for the HDPE pipe and the other carries an external (male) thread, with a rating of 10 bar at 20°C, which makes it a simple in-line link between plastic mains and threaded metal hardware. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Fitting type	Straight adaptor: compression end for HDPE, external (male) thread for G.I. pipe sockets
Outside x nominal diameters	110 mm (HDPE) x 4" (GI)
Material	Reinforced, high-impact-strength polypropylene, UV stabilised
Pressure rating	10 bar at 20°C
Temperature range	0 to 50°C
Product code	SLE/WDF/16
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the HDPE to Male GI Thread Adaptor Used For?

HDPE pipe cannot be threaded, so wherever a plastic main has to enter threaded metal hardware an adaptor is needed. The Adaptor PP Comp, HDPE 110mmxmthd GI. 4"O/ND-P screws its male thread into a 4" female GI socket — for example a socket on a steel riser, the female end of a GI cross, bend or elbow, or a threaded valve body — and accepts the 110 mm HDPE pipe in its compression end.

Wrap the male thread with sealing tape and screw it into the metal socket firmly but without excessive force, since a plastic thread can be damaged by over-tightening. Then prepare the HDPE end with a square cut, chamfer and clean, and tighten it into the compression side. Where the adaptor enters heavy metal pipework, support the metal side so that the plastic body does not take bending loads.

What to Specify When Ordering

- The 4" female GI fitting or valve the adaptor will screw into.
- The number of HDPE-to-GI transitions on the layout.
- Operating pressure and temperature, to confirm they stay within 10 bar at 20°C and 0 to 50°C.

Supplier

Jain S
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