



PREMIER PLASTIC INDUSTRY SDN. BHD.

CO. REG. NO. 201701010598 (1224763-D)

A SUBSIDIARY OF UUE HOLDINGS BERHAD

PRODUCT CATALOGUE

HIGH DENSITY POLYETHYLENE PIPE

MANUFACTURING & TRADING OF **PREMPOLY® HDPE PIPES**



MS 1058 : PART 2 : 2023 / ISO 4427-2 : 2019 / SIRIM 52 : 2022 / SIRIM 63 : 2023 / ISO 9001 : 2015 / ISO 14001 : 2015

PREMIER
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www.ppi.asia





Premier Plastic Industry Sdn Bhd (PPISB), established in 2018, became a wholly-owned subsidiary of UUE Holdings Berhad in 2024. As one of Malaysia's leading manufacturers of High-Density Polyethylene (HDPE) pipes, PPISB is committed to producing high-quality HDPE pipes for large-scale projects in Malaysia and Singapore.

Our **VALUES**

RELY ON PPISB FOR TRUSTED, SMARTER, & MORE EFFICIENT PIPING SOLUTIONS.

TOTAL QUALITY ASSURANCE

In-house and strict quality control system covering all aspects of the production process.

CERTIFIED FOR QUALITY

Manufacturing, testing, and quality control systems that meet the highest quality standard of SIRIM.

END-TO-END EXCELLENCE

PPISB is committed to deliver the best customer experience at every stage - pre-sale, on-sale, and after-sale service.

RELIABLE PIPING SOLUTIONS

PREMPOLY® HDPE pipes offer durability, efficiency, and cost effectiveness, making them ideal for diverse piping needs.

PRODUCT SOLUTIONS FLEXIBILITY

PREMPOLY® HDPE pipes can be customized in various diameters, lengths, pressure ratings, colour, and material specification.



PPISB raw materials undergoes rigorous scientific testing prior to production to ensure good quality finished products. This steadfast dedication to quality, innovation and customer satisfaction has firmly established PPISB as one of the leading HDPE pipes manufacturer in Malaysia.

Our **PRODUCTION LINES**

JWELL HDPE SOLID WALL PIPE EXTRUSION LINE 1

Series : JWS 75/38
Capacity : 500 - 550 KG/H

JWELL HDPE SOLID WALL PIPE EXTRUSION LINE 2

Series : JWS 75/38
Capacity : 500 - 600 KG/H

JWELL HDPE SOLID WALL (DOUBLE LAYER) PIPE EXTRUSION LINE 3

Series : JWS 60/40
Capacity : 150 - 400 KG/H

PREMPOLY® HDPE PIPES are manufactured in compliance with certified and internationally recognized standards to ensure quality and performance.

Characteristic	Standard Test Requirement	Test Method	Test Result
Melt Mass-Flow Rate (MFR), g/10 min	Load: 5.0 kg Temperature: 190°C Time: 10 mins	ISO 1133 or equivalent	Changes of MFR by processing: ± 20%
Density, g/cm³	Immersion method @ 23°C	ISO 1183-1	≥ 0.930 g/cm ³
Oxidation Induction Time (OIT) (Thermal Stability), min	Temperature: 200°C	ISO 11357-6 or equivalent	≥ 20 mins
Longitudinal Reversion Test	Temperature: 100°C / 110°C Time: ISO 2505	ISO 2505 or equivalent	≤ 3% No effect on surface
Elongation at Break Test, %	As per standard	ISO 6259-3	≥ 350%



The commitment of PPISB to exceptional service spans the entire customer journey - pre-sale, on-sale and after-sale. By strictly adhering to the stringent product licensing standards set by SIRIM, PPISB guarantees the highest quality levels of quality and reliability in its solutions.

Specification of PREMPOLY® HDPE PIPES

PREMPOLY® HDPE PIPES PE100

Standard: **MS 1058 : PART 2 : 2023 (ISO 4427-2 : 2019)**

Color:

SDR : Standard Dimension Ratio | PN : Nominal Pressure

Pipe Size	Outside Diameter (OD)		SDR 17			SDR 13.6			SDR 11		
			PN 10			PN 12.5			PN 16		
(mm)	OD min (mm)	OD max (mm)	e min (mm)	e max (mm)	Wt (kg/m)	e min (mm)	e max (mm)	Wt (kg/m)	e min (mm)	e max (mm)	Wt (kg/m)
20	20.0	20.3	-	-	-	-	-	-	2.0	2.3	0.117
25	25.0	25.3	-	-	-	2.0	2.3	0.149	2.3	2.7	0.171
32	32.0	32.3	2.0	2.3	0.194	2.4	2.8	0.231	3.0	3.4	0.279
40	40.0	40.4	2.4	2.8	0.295	3.0	3.5	0.362	3.7	4.2	0.431
50	50.0	50.4	3.0	3.4	0.453	3.7	4.2	0.550	4.6	5.2	0.669
63	63.0	63.4	3.8	4.3	0.722	4.7	5.3	0.877	5.8	6.5	1.057
110	110.0	110.7	6.6	7.4	2.180	8.1	9.1	2.640	10.0	11.1	3.170
125	125.0	125.8	7.4	8.3	2.780	9.2	10.3	3.390	11.4	12.7	4.120
160	160.0	161.0	9.5	10.6	4.560	11.8	13.1	5.550	14.6	16.2	6.730
180	180.0	181.0	10.7	11.9	5.760	13.3	14.8	7.050	16.4	18.2	8.510
200	200.0	201.2	11.9	13.2	7.110	14.7	16.3	8.650	18.2	20.2	10.500
225	225.0	226.4	13.4	14.9	9.020	16.6	18.4	10.980	20.5	22.7	13.280
250	250.0	251.5	14.8	16.4	11.050	18.4	20.4	13.520	22.7	25.1	16.330
280	280.0	281.7	16.6	18.4	13.890	20.6	22.8	16.940	25.4	28.1	20.480
315	315.0	316.9	18.7	20.7	17.580	23.2	25.7	21.470	28.6	31.6	25.920

PREMPOLY® HDPE PIPES

Standard: **SIRIM 52 : 2022**

Color:

SDR : Standard Dimension Ratio

Pipe Size	Outside Diameter (OD)		SDR 17			SDR 13.6			SDR 11		
			e min (mm)	e max (mm)	Wt (kg/m)	e min (mm)	e max (mm)	Wt (kg/m)	e min (mm)	e max (mm)	Wt (kg/m)
110	110.0	110.7	6.6	7.4	2.16	8.1	9.1	2.62	10.0	11.1	3.15
160	160.0	161.0	9.5	10.6	4.52	11.8	13.1	5.51	14.6	16.2	6.68
180	180.0	181.0	10.7	11.9	5.72	13.3	14.8	7.00	16.4	18.2	8.45
200	200.0	201.2	11.9	13.2	7.06	14.7	16.3	8.58	18.2	20.2	10.40
250	250.0	251.5	14.8	16.4	11.00	18.4	20.4	13.40	22.7	25.1	16.20

PREMPOLY® HDPE PIPES

Standard: **SIRIM 63 : 2023**

Color:

SDR : Standard Dimension Ratio

Pipe Size	Outside Diameter (OD)		SDR 13.6			SDR 11		
			e min (mm)	e max (mm)	Wt (kg/m)	e min (mm)	e max (mm)	Wt (kg/m)
32	32.0	32.3	2.4	2.8	0.229	3.0	3.4	0.277
40	40.0	40.4	3.0	3.5	0.358	3.7	4.2	0.427
110	110.0	110.7	8.1	9.1	2.620	10.0	11.1	3.150



Premier Plastic Industry Sdn Bhd (PPISB) is widely renowned as a trusted and established manufacturer of High-Density Polyethylene (HDPE) pipes in Malaysia. PPISB is dedicated to manufacturing and trading high-quality HDPE pipes for large-scale projects, backed by in-house quality control system and product specialist that ensures excellence from raw materials to finished products.

Types of **PREMPOLY®** HDPE Pipes :



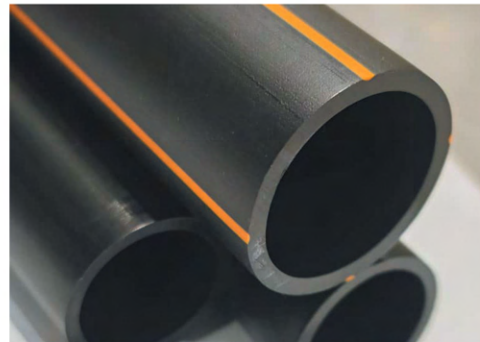
Telecommunication Cables

Electrical Cables

PE100 (Water)



Double Layer Smooth Wall Sub-Duct



Telecommunication Cables
(Orange Stripes)

Our HDPE Pipe Product Range:

- For Electrical Installation
- For Conduits for Telecommunication Cables
- For Conveyance of Water
- HDPE Smooth Wall Sub-Duct

Packing Standard:

- HDPE pipes of 20 mm – 110 mm : supplied in coils
- HDPE pipes ≥ 110 mm : supplied in straight lengths



Contact Us.

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