



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**

SIRIM 52 : 2022 / ISO 4427-2 : 2019 / MS 1058 : Part 2 : 2005



☒ **QUALITY ASSURED**

☒ **RELIABILITY SERVICE**

☒ **ON TIME DELIVERY**





Premier Plastic Industry Sdn Bhd (PPISB) was established in 2018 and is a wholly-owned subsidiary of UUE Holdings Berhad in 2024. PPISB is one of the largest manufacturers of High Density Polyethylene (HDPE) Pipes in Malaysia. PPISB has been devoted to the development of high-quality HDPE pipe 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.

PREMPOLY® HDPE pipes are manufactured in accordance with MS 1058 : Part2 : 2005.

Standard Pipe Testing Requirement :

Characteristic	Sample Type	Standard Test Requirement	Test Method	Type Test	Test Result
Hydrostatic Test at 80 °C	Pipe	Period : 165 hours	EN 921	Water in water	No failure was observed during the test period.
Hydrostatic Test at 80 °C	Pipe	Period : 1000 hours	EN 921	Water in water	No failure was observed during the test period.
Melt mass-flow rate (MFR), g/10 min	Pipe	Load : 5.0kg Temperature : 190 °C	ISO 1133		Changes of MFR by processing $\pm 20\%$
Oxidation Induction Time (OIT), min (Thermal stability)	Pipe	Temperature : 200 °C	EN 728		≥ 20 minutes



Specification of PREMPOLY® HDPE PIPES

PREMPOLY® HDPE PIPE PE80

SDR : Standard Dimension Ratio

Standard: **SIRIM 52:2022** Color: 

Pipe Size	Outside Diameter (OD)		SDR 17			SDR 13.6			SDR 11		
(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)
110	110.0	110.7	6.6	7.4	2.16	8.1	9.1	2.62	10.0	11.1	3.15
125	125.0	125.8	7.4	8.3	2.76	9.2	10.3	3.37	11.4	12.7	4.08
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
225	225.0	226.4	13.4	14.9	8.95	16.6	18.4	10.90	20.5	22.7	13.20
250	250.0	251.5	14.8	16.4	11.00	18.4	20.4	13.40	22.7	25.1	16.20
280	280.0	281.7	16.6	18.4	13.80	20.6	22.8	16.80	25.4	28.1	20.30
315	315.0	316.9	18.7	20.7	17.50	23.2	25.7	21.30	28.6	31.6	25.70

PREMPOLY® HDPE PIPE PE100

SDR : Standard Dimension Ratio | PN : Nominal Pressure

Standard: **MS 1058 (ISO 4427)** Color: 

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

Types of PREMPOLY® HDPE PIPES

HDPE Pipe - Drum



160mm
Length : 200 meters

HDPE Pipe - Length



110mm to 315mm
Length : 6 meters or 12 meters

HDPE Pipe - Coil



20mm to 110mm
Length : 100 meters

QUALITY : SIRIM 52 : 2022 / ISO 4427-2:2019 / MS 1058 : Part2 : 2005

MANUFACTURING & TRADING OF PREMPOLY® HDPE PIPES

www.ppi.asia



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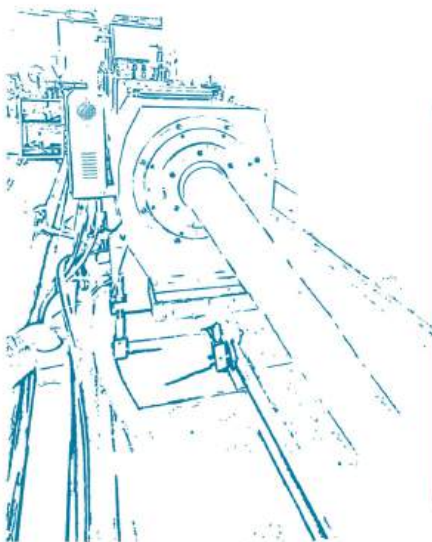
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Premier Plastic Industry Sdn Bhd (PPISB) is widely renowned as a trusted and established manufacturer of High-Density Polyethylene (HDPE) pipes in Malaysia. PPISB is dedicated to manufacturing and trading high-quality HDPE pipes for large-scale projects,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

The commitment of PPISB to exceptional service spans the pre-sale, on-sale, and after-sale stages, adhering to the stringent product licensing standards of SIRIM (Standards and Industrial Research Institute of Malaysia) to ensure the highest quality.

PPISB raw materials undergo 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 leading HDPE pipes manufacturer in Malaysia.



Contact Us.

ADDRESS

Lot PTD 204684, Batu 13-1/2, Jalan Sungai Tiram, 81800 Ulu Tiram, Johor, Malaysia.

PHONE : +607 8615 373

WEBSITE : www.ppi.asia

EMAIL : info@ppi.asia

OFFICE HOURS

Monday - Friday / 08.00 - 17.30



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