



Data Sheet
Date Prepared:

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# **HDPE 6100**

YUZEX 6100 is high density polyethylene designed for pressurized pipe and produced by bi-modal operation in dual slurry reactor. It is classified as PE100 class. It has excellent process ability in pipe extrusion and balanced physical properties.

## **Application / Use Case**

Pipe/ Pressure Pipe(gas pipe)

#### Characteristic

Processability, ESCR, Classfied As PE 100 Class

## **Specification**

	<b>Specification</b>	Unit	<b>Test Method</b>
Density	0.952	g/cm³	ASTM D1505

### **Physical Properties**

	Value	Unit	Test Method
Tensile Strength at Yield	240	kg/cm²	ASTM D638
Tensile Strength at Break	420	kg/cm²	ASTM D638
ESCR	>10000	hr	ASTM D1693
Melt Index	0.052	g/10min	ASTM D1238
Flexural Modulus	8500	kg/cm²	ASTM D790
Brittleness Temperature	<-70	°C	ASTM D746
MWD	20~25	Mw/Mn	GPC

These are typical properties only, and are not to be construed as specific limits.

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