

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, Classified As PE 100 Class

Specification

	Specification	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505

Physical Properties

	Value	Unit	Test Method
Tensile Strength at Yield	240	kg/cm ²	ASTM D638
Tensile Strength at Break	420	kg/cm ²	ASTM D638
ESCR	>10000	hr	ASTM D1693
Melt Index	0.052	g/10min	ASTM D1238
Flexural Modulus	8500	kg/cm ²	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.