

Producer: SK Global Chemical / KOREA

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

PROPERTY	TEST	UNIT	VALUE
Tensile Strength at Yield	ASTM D638	kg/cm ²	240
Tensile Strength at Break	ASTM D638	kg/cm ²	420
ESCR	ASTM D1693	hr	>10000
Melt Index	ASTM D1238	g/10min	0.052
Flexural Modulus	ASTM D790	kg/cm ²	8500
Brittleness Temperature	ASTM D746	°C	<-70
MWD	GPC	Mw/Mn	20~25

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