

**Base Resin Pressure Pipe
HIGH DENSITY POLYETHYLENE
BUTENE COPOLYMER**

DENSITY, g/cm³ 0,9400 – 0,9440

MELT FLOW INDEX (MI), g/10min 0,30 – 0,36

MWD Wide



FEATURES

- High Strength
- Excellent ESCR
- Excellent toughness
- Cut-through resistance
- Abrasion resistance
- Good processability
- Good chemical resistance

ADDITIVES

- Antioxidant

APPLICATIONS

- Extrusion of pressure pipe for water supply as well as tubing for specialty conduit

Manufacturer: - Shurtan Gas Chemical Complex

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MECHANICAL PROPERTIES	ASTM	UNIT	TYPICAL VALUE
Density @23°C , base	D792	g / cm ³	0,9420
Melt flow index (190°C @ 2,16 kg)	D1238	g / 10 min	0.32
Brittleness temperature	D746	°C	- 75
Softening point (Vicat)	D1525	°C	120
Tensile strength at yield, 50mm/min	D638	MPa	18
Tensile strength at break	D638	MPa	27
Elongation at break, 50mm/min	D638	%	1000
Flexural modulus	D790	MPa	580
Hardness shore D	D2240	Shore, D	62
ESCR, F50, condition B, 50 C, 100% solution	D1693	Hours	>1000

Availability

Uzclear® polyethylene resins are available in 25 kg PE bags.

Storage / Handling

Uzclear P-Y342 should be stored in a clean, dry place at ambient temperatures. Keep away from direct sunlight. Prolonged or improper storage can result in deterioration of product properties. Care should be taken when handling and transferring product to prevent foreign matter contamination.

Environmental

Shurton GCC polyethylene resins are biologically and chemically inert, but improper disposal may present an ingestion hazard to wildlife. Where recycling of SGCC polyethylene resins is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended.

Processing conditions

Recommended conditions

Melt temperature	200 C⁰ – 220 C⁰
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