

MDPE DX900

Application / Use Case

Pipe / Heating pipe, Pipe for hot & cold water, Type II

Characteristic

Long Term Hydrostatic Strength, Processability, Classified as PE-RT Class

Specification

	Specification	Unit	Test Method
Density	0.9355	g/cm ³	ASTM D1505
Melt Index	0.61	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Tensile Strength at Yield	165	kg/cm ²	ASTM D882
Tensile Strength at Break	410	kg/cm ²	ASTM D882
Elongation at Break	800	%	ASTM D882

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

MDPE DX800

YUCLAIR DX800 is controlled medium density ethylene-1-octene-copolymer polyethylene for substituting XLPE. YUCLAIR DX800 offers excellent long term hydrostatic strength and brilliant pipe surface combined with good processability. It contains UV-stabilizer, for use in product requiring out-door weathering resistance.

Application / Use Case

Pipe / heating pipe, pipe for hot & cold water

Specification

	Specification	Unit	Test Method
Density	0.9335	g/cm ³	ASTM D1505
Melt Index	0.64	g/10min	ASTM D1238

Physical Properties

	Specification	Unit	Test Method
Softening Point(Vicat)	119	°C	ASTM D1525
Tensile Strength at Yield	158	kg/cm ²	ASTM D638
Tensile Strength at Break	390	kg/cm ²	ASTM D638
Elongation at Break	800	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	NB	kg·cm/cm	ASTM D256
ESCR	>10,000	hr	ASTM D1693
Melting point	128	°C	ASTM D2117
Flexural Modulus	4,600	kg/cm ²	ASTM D790
Hardness	53	Shore D	ASTM D2240

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