SK geo centric

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YUCLAIR DX900

YUCLAIR DX900, medium density polyethylene, is an ethylene-octene copolymer for substituting XLPE. It offers excellent long term hydrostatic strength and brilliant pipe surface combined with good processaility. It's very Cl-resistance make it suitable for hot & cold water supply. It is classified as PE-RT Type ll material based on ISO 24033.

Application / Use Case

PE-RT Type ll

Specification

	Specification	Unit	Test Method
Density	0.936	g/cm³	ASTM D1505
Melt Index	0.61	g/10min	ASTM D1238

Physical Properties

	Norminal Value (English)	Norminal Value (SI)	Test Method
Tensile Strength at Yield	2350 psi	16.2 MPa	ASTM D638[2]
Tensile Strength at Break	5830 psi	40.2 MPa	ASTM D638[2]
Elongation at Break	800%	800%	ASTM D638[2]
Flexural modulus	73,960 psi	510 MPa	ASTM D790
Hardness (Shore D)	58	58	ASTM D2240
ESCR	>10,000 hr	>10,000 hr	ASTM D1693
Vicat Softening Temperature	253 °F	123 °C	ASTM D1525

[1] Evaluated using Injection molded sample
[2] Crosshead speed: 50 mm/min

Notes

These are typical values and are not to be construed as specifications. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

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