

LUCENE™ **SP988**

Metallocene Polyethylene

Applications

- Hot & cold drinking water pipe, Floor heating, Radiator connection, AI composite pipe

Description

- LUCENE™ **SP988**, LG PE-RT(TypeII) is a high performance MDPE for hot and cold water pipe. It is developed by using a new LG catalyst technology.
- It has excellent stress crack resistance properties and Long Term Hydrostatic strength.
- LUCENE™ **SP988** Polyethylene Resin meets requirements of the FDA regulation 177.1520 and NSF/ANSI Standard 61 (Drinking Water System Components - Health Effect).

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
MFR(190 °C, 2.16Kg)	ASTM D1238	g/10min	0.6
Density	D1505	g/cm ³	0.941
Mechanical⁽²⁾			
Tensile Strength at Yield	D638	Mpa	20
Tensile Strength at Break	D638	Mpa	37
Elongation at Break	D638	%	750
Hardness (Rockwell)	D785	R Scale	57
Flexural Modulus	D790	Mpa	580
Izod Impact Strength	D256	J/m	Non Break
ESCR(F50)	D1693	hr	> 8,760
Thermal			
Melting Temperature	LG Method	°C	128
Vicat Softening Point	D1525	°C	125

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens