

LLDPE SP980

Description

PE-RT TypeI

Excellent processability & Long-Term Hydrostatic strength

Complies with FDA regulation 21CFR 177.1520 and NSF Std 61

Application

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

Properties	Method	Condition	Unit	LLDPE SP980
Physical				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	0.6
Density	ASTM D1505	Density-Gradient	g/cm ³	0.938
Mechanical				
Tensile Strength at Yield Point(kgf/cm ²)	ASTM D638	50mm/min	kgf/cm ²	195
Tensile Strength at Break Point	ASTM D638	50mm/min	kgf/cm ²	350
Elongation at Break Point	ASTM D638	50mm/min	%	800
Flexural Modulus(kgf/cm ²)	ASTM D790	Press sheet, 1% Secant	kgf/cm ²	5,700
Izod Impact Strength(kgf·cm/cm)	ASTM D256	23°C, Notched	kgf·cm/cm	Non Break
Hardeness(Shore D)	ASTM D2240	Shore D		57
ESCR	ASTM D1693	Condition B	hr	>8,760
Thermal				
Melting Temperature	LG Method	by DSC	°C	126
Vicat Softening Temperature	ASTM D1525	A50	°C	124

Note

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

Typical resin property values are measured on a standard compression molded specimens.