

# SP980

## Description

PE-RT Typel

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	SP980
<b>Physical</b>				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	0.6
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.938
<b>Mechanical</b>				
Tensile Strength at Yield Point(kgf/cm <sup>2</sup> )	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	195
Tensile Strength at Break Point	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	350
Elongation at Break Point	ASTM D638	50mm/min	%	800
Flexural Modulus(kgf/cm <sup>2</sup> )	ASTM D790	Press sheet, 1% Secant	kgf/cm <sup>2</sup>	5700
Izod Impact Strength(kgf-cm/cm)	ASTM D256	23°C, Notched	kgf-cm/cm	Non Break
Hardeness(Shore D)	ASTM D2240	Shore D		57
<b>Thermal</b>				
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.

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