

HDPE SP988

Description

PE-RT Typell

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	HDPE SP988
Physical				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	0.6
Density	ASTM D1505	Density-Gradient	g/cm³	0.941
Mechanical				
Tensile Strength at Yield Point(kgf/cm²)	ASTM D638	50mm/min	kgf/cm²	205
Tensile Strength at Break Point	ASTM D638	50mm/min	kgf/cm²	370
Elongation at Break Point	ASTM D638	50mm/min	%	800
Flexural Modulus(kgf/cm²)	ASTM D790	Press sheet, 1% Secant	kgf/cm²	6,400
Izod Impact Strength(kgf·cm/cm)	ASTM D256	23°C, Notched	kgf·cm/cm	Non Break
Hardeness(Shore D)	ASTM D2240	Shore D		61
ESCR	ASTM D1693	Condition B	hr	>8,760
Thermal				
Melting Temperature	LG Method	by DSC	°C	128
Vicat Softening Temperature	ASTM D1525	A50	°C	125

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.