

# GP-512

## Polypropylene (Random Copolymer)



### Product Description

GP-512 is a random copolymer polypropylene produced by the Unipol process. It has high melting viscosity, and is designed suitable for pipe forming. GP-512 offers excellent hydrostatic pressure resistance, impact resistance, and long-term heat resistance.

### Key Features

- Hydrostatic pressure resistance
- Impact resistance
- Long-term heat stability

### Applications

- Pipe (Hot & cool water supply pipe)

### Typical Properties

	Item	Measuring Method	Value	Unit
Physical	Melt Flow Index (230°C, 2.16kg)	ASTM D1238	0.25	g/10min
	Density	ASTM D1505	0.9	g/cm <sup>3</sup>
Mechanical	Tensile Stress (Yield)	ASTM D638	270	kgf/cm <sup>2</sup>
	Tensile Strain (Break)	ASTM D638	> 500	%
	Flexural Modulus	ASTM D790	9,000	kgf/cm <sup>2</sup>
	Notched Izod Impact Strength (23°C)	ASTM D256	No Break	kgf·cm/cm
	Heat Deflection Temp. (4.6kgf/cm <sup>2</sup> )	ASTM D648	85	°C

• NOTE : These are not to be construed as specifications

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