

DATASHEET

ASTM Property



Grade	8100GX
Product	HDPE

General Information

Key Features

- Good Thermal Resistance and Cold Resistance
- Excellent Impact Resistance even at Low Temperature
- Good Cross-linking Property

Applications

Underfloor heating, Outdoor heating, Radiator connectors, Central heating systems, Central water supply systems, Industrial piping

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	0.02
Density	ASTM D1505	g/cm ³	0.950
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	220
Tensile Strain (Break)	ASTM D638	%	≥700
Flexural Modulus	ASTM D790	kgf/cm ²	8,000
Impact			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	NB
Thermal			
VICAT Softening Temperature	ASTM D1525	°C	124

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2021/10/01