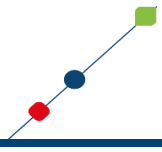
DATASHEET

ASTM Property



LOTTE CHEMICAL

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/㎤	0.950
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	220
Tensile Strain (Break)	ASTM D638	%	≥700
Flexural Modulus	ASTM D790	kgf/㎠	8,000
	Impact		
Izod Impact Strength(notched) (23℃)	ASTM D256	kgf·㎝/㎝	NB
	Thermal		
VICAT Softening Temperature	ASTM D1525	℃	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