

# PLASTIC

# HDPE

## Basic Physical Properties

Property	Test Method	Value	Units
Melt index(19°C/2, 6kg)	D1238	g/10min	0.25
Density	D1505	g/cm <sup>3</sup>	0.957
Vicat Softening Point	D1525	°C	129
Melting Temperature	DSC	°C	133
Tensile Strength	D638	kg/cm <sup>2</sup>	230
Elongation at Break	D638	%	>500
Notch impact (23 °C)	D256	kgcm/cm	15
Shore D Hardness	D2240		64
Bending Modulus	D790	kg/cm <sup>2</sup>	12000
ESCR (F50)	D1693	hr	50
Embrittlement Temperature	D740	°C	< -80