

Persian Gulf Petrochemical Industry Commercial Co.  
Ilam Petrochemical Company



Polymers



Chemical &  
Aromatics



Fuel & Feeds  
Stock

# HDPE 6300M

*Extrusion Grade*

Property	Test Method	Unit	Value
Melt flow rate	ISO 1133	g/10 min.	0.11
Density	ISO 1183	kg/m <sup>3</sup>	951
Tensile Strength at yield	ISO 527-1, -2	MPa	23
Tensile Strength at break	ISO 527-1, -2	MPa	>31
Elongation at Break	ISO 527-1, -2	%	>500
Charpy Impact strength	ISO 179-1	kJ/m <sup>2</sup>	17
Shore hardness	ISO 868	D scale	62
Stress cracking resistance	ASTM 1693	hr	>600
Melting temperature	ISO 11357	°C	131
Vicat softening temperature	ISO 306	°C	122

## APPLICATION

Excellent environmental stress cracking resistance, mechanical strength and hot creep resistance Pipes for water supply (PE-80), pipes for civil engineering, pipes for drainage, pipes for water heater, pipes for chemicals, corrugated tubes & pipes, ducting of telecom cables, large diameter irrigation pipes, support for cables, etc