

Persian Gulf Petrochemical Industry Commercial Co.
Ilam Petrochemical Company



Polymers



Chemical &
Aromatics



Fuel & Feeds
Stock

HDPE 2100J

Injection Grade

Property	Test Method	Unit	Value
Melt flow rate	ISO 1133	g/10 min.	5.8
Density	ISO 1183	kg/m ³	953
Tensile Strength at yield	ISO 527-1, -2	MPa	21
Tensile Strength at break	ISO 527-1, -2	MPa	13
Elongation at Break	ISO 527-1, -2	%	370
Charpy Impact strength	ISO 179-1	kJ/m ²	4.2
Shore hardness	ISO 868	D scale	63
Stress cracking resistance	ASTM 1693	hr	8
Melting temperature	ISO 11357	°C	131
Vicat softening temperature	ISO 306	°C	121

APPLICATION

Excellent environmental stress cracking resistance and good impact strength. General purpose and particularly suitable for enclosure materials Fenders of motorcycle, front cover of motorcycle, caps for mayonnaise bottles, caps for sauce bottles, casks for pickles, etc.