



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