

## Product Data Sheet

# HD52518

### HDPE made via Spherilene Gas-Phase Technology

52518 is a HDPE copolymer for Injection Moulding for applications requiring a good balance between easy of processability and flowability and mechanical properties.

### HDPE: HD52518

#### Characteristic Properties

Good balance between easy of processability and flowability

### Density: 0.950-0.954

#### Main Applications

Housewares  
High fluidity  
Injection moulding

### Density: 0.950-0.954

#### Additives

Thermal Antioxidant (Process Stabilizer)  
Catalyst neutralizer (acid scavenger, lubricant)

| Resin Properties            | UNIT     | Typical Value | Test Method |
|-----------------------------|----------|---------------|-------------|
| Melt Index (190°C/ 2.16Kg)  | g/10 min | 18            | D1238       |
| Density                     | g/ml     | 0.952         | D1505       |
| Thermal properties          |          |               |             |
| Vicat Softening Point       | °C       | 121           | D1525       |
| Molded Properties           |          |               |             |
| Flexural Modulus            | MPa      | 1200          | D790        |
| Notched Izod Impact @ 23 °C | J/m      | 19            | D256/A      |
|                             |          |               |             |

@ on compression moulded specimen obtained according to ASTM D 1928°C