



HD52511

### **HDPE made via Spherilene Gas-Phase Technology**

52511 is a HDPE copolymer injection molding grade for applications requiring a good balance between physical properties and flowability, like housewares and toys.

### **Characteristic Properties**

Good balance between physical properties and flowability,

### **Main Applications**

Injection molding grade  
Houseware

### **Additives**

52511:

Thermal Antioxidant (Process Stabilizer)

Catalyst neutralizer (acid scavenger, lubricant)

52511 UV:

Thermal Antioxidant (Process Stabilizer)

Antiblocking Agent

Catalyst neutralizer (acid scavenger,

Resin Properties	Unit	Typical Value	ASTM Method
<b>Melt Index (190°C/ 2.16Kg)</b>	g/10 min	11	D1238
<b>Density</b>	g/ml	0.952	D1505
Physical properties @			
<b>Flexural modulus</b>	MPa	1200	D709
<b>Notched Izod impact at 23°C</b>	J/m	22	D256/A
<b>Vicat softening point</b>	°C	122	D1525
@ on compression moulded specimen obtained according to ASTM D 1928°C			
Fabrication conditions for injection moulding			
Recommended barrel temperatures range between 190 and 280°C			

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