



Product: High Density Polyethylene (HDPE)

Grade: Injection

Trade Name: HD52518

## Typical Applications

HD-52518 is a HDPE copolymer for injection molding for application requiring a good balance between easy of processability and flowability and mechanical properties. HD- 52518 is recommended for housewares, food containers, toys, caps and closures etc.





Asia Petrochemicals LLC

## TDS FOR HD-52518

### PRODUCT DESCRIPTION

HD- 52518 is High Density Polyethylene grade with narrow molecular weight distribution suitable for injection molding applications. It has been designed to give good flow properties, low warpage with good dimensional stability and high gloss.

#### Process conditions:

Typical processing conditions for HD-52518 are:

Barrel Temperature: 180-250°C (365-480°F)

Mold Temperature: 15-60°C (60-140°F)

Injection Pressure: 600-1000 Bar (8700-14500 psi)

**Packing:** 25 Kg plastic bag

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
<b><u>Resin Properties</u></b>			
Melt Index	D1238	g/10'	18
Density	D1505	g/cc	0.952
<b><u>Thermal Properties</u></b>			
Vicat Softening Point	D1525	°C	122
<b><u>Molded Properties</u></b>			
Flectural Modulus	D790	Mpa	1350
Notched Izod Impact @ 23 °C	D256/A	J/m	25

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to [info@asia-petrochem.com](mailto:info@asia-petrochem.com)

Asia Petrochemicals LLC  
PO Box 76283 Dubai UAE  
T +971 4 2384533 F +971 4 2384534