



HDPE made via Spherilene Process



Product data sheet 60518

60518 is a HDPE injection molding grade which combines excellent flowability with high stiffness. This resin is well suited for housewares and toys applications.

HDPE:60518

Density: 0.960

MFI: 18

Features



- HDPE injection molding grade
- excellent flowability with high stiffness.

Applications



- Injection molding grade
- housewares and toys applications

Additives



- THERMAL ANOTIOXIDANT

84

Material properties (This data are typical values and are not to be construed as product specifications.)

Resin properties	Unit	Typical values	ASTM Method
Melt Index	(g/10')	18	D 1238
Density	(g/ml)	0.960	D 1505
Physical properties @			
Flexural modulus	(MPa)	1430	D 790
Notched Izod impact at 23 °C	(J/m)	26	D 256/A
Tensile strength at yield	(MPa)	31.5	D 638
Tensile strength at break	(MPa)	29	D 638
Ultimate elongation	(%)	15	D 638
Vicat softening point	(°C)	125	D 1525
H.D.T.	(°C)	102	D 648
Shore hardness D	(unit)	65	D 2240
@			
Fabrication conditions for injection molding			
Recommended barrel temperatures range between 190 and 280 °C.			