

## VP-HD-HI500

### Description:

VP-HD-HI500 is a natural high density polyethylene injection moulding grade. This product offers high stiffness with good physical properties. VP-HD-HI500 can be processed in most types of injection moulding equipment.

Features	Applications	Packaging
High stiffness, good physical properties, and high density.	Crates Industrial parts Thick wall parts	Supplied in the form of pellets, or in bulk, or in 25 Kg bags.

Physical properties	Unit	Typical value	Test method
MFR (190 °C / 2.16 Kg)	g/10min.	4 - 6	ASTM D-1238
Density	g/cm <sup>3</sup>	0.963 - 0.967	ASTM D-1505
Ash content	% (wt)	<0.06	ASTM D-1063
Volatiles	% (wt)	<0.05	ASTM D-1960
Thermal properties	Unit	Typical value	Test method
Vicat softening point (A/10N)	°C	124	ASTM D-1525
Melting point	°C	130	ASTM D-2117
Mechanical properties	Unit	Typical value	Test method
Tensile stress at break	g/cm <sup>2</sup>	>170	ASTM D-638
Elongation at break	%	>300	ASTM D-638
ESCR	hours	4	ASTM D-1693