

## VP-HD-6040

### Description:

VP-HD-6040 is a high density polyethylene that grade offers high tensile strength, excellent elongation and toughness, and good stiffness. The processing method of VP-HD-6040 is injection moulding.

Features	Applications	Packaging
high tensile strength, high elongation and toughness, and good stiffness.	Pallets, dustbins and pails, shipping containers, fish crates, and storing cases.	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.	3.5 – 4.3	ASTM D-1238
Density	g/cm <sup>3</sup>	0.956 – 0.960	ASTM D-1505
Thermal properties	Unit	Typical value	Test method
Vicat softening point	°C	130 - 133	ASTM D-1525
Mechanical properties	Unit	Typical value	Test method
Flexural young modulus	MPa	<1300	ASTM D-638
Izod impact	J/m	>85	ASTM D-256
Tensile modulus	MPa	1040	ASTM D-638
Tensile stress at yield	MPa	31 - 33	ASTM D-638
Tensile stress at break	MPa	>15	ASTM D-638
Elongation at yield	%	>8	ASTM D-638
Elongation at break	%	>1300	ASTM D-638