

HIGH DENSITY POLYETHYLENE (HDPE) FOR INJECTION MOULDING (T50 - 500)

T50 - 500 is a high density polyethylene characterized by a narrow molecular weight. It is intended for injection moulding applications where a good balance of processability and end - use properties are required.

T50 - 500 CHARACTERISTICS:

- Good rigidity
- High impact strength
- meets FDA requirements of 21CFR 177.1520

Examples of applications:

- Pails, shopping carts, wheel hubs, general purpose injection moulding

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	6.5	g/10min	ASTM D 1238
Density	953	kg/m ³	ASTM D 4883
Tensile strength at yield	27	MPa	ASTM D 638
Elongation at break	800	%	ASTM D 638
Flexural Modulus	1250	MPa	ASTM D 790
Notched IZOD Impact Strength	64 J/m	ASTM	D 256
Hardness (Shore D)	65		ASTM D 2240
Vicat softening point	128	°C	ASTM D 1525