



INTEGRAL COMMODITIES SA

# HDPE Injection Molding (T50-500)

## Specification of HDPE Injection Molding (T50-500)

T50-500 is a high density polyethylene with a narrow molecular weight distribution. It is intended for injection molding, where a technical balance and characteristics from the end user are necessary.

### PROPERTIES:

- Good rigidity
- High impact strength
- Compliance with the requirements of the Food and Drug Administration Quality Control Authority 21CFR.1520

### Examples of applications:

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



## Typical physical properties

Properties	Typical value	Unit.	Test method
Melt Flow Rate ((2.16kg load))	6.5	g/10min	ASTM D 1238
Density	953	kg/m <sup>3</sup>	ASTM D 4883
Tensile Density	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
Vicar softening point	128	°C	ASTM D 1525

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