

Kiyanly Refinery (Turkmenistan)

HDPE T50-500

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

T50-500 has the following properties:

- Good stiffness
- High impact strength
- Compliance with the requirements of the Office of Food Quality Control of medicines and cosmetics 21CFR 177.1520

Application examples:

- Buckets, shopping cart, wheel hub, injection molding of general purpose goods

Typical physical properties

No	Description of Index	Rate
1	Volume speed of fluidity (2,16 kg), g/10 min	6,5
2	Density, kg/cm ³	953
3	Strength at a stretching in a fluidity limit, N/mm ² , not less than	27
4	Elongation at break, %	800
5	The elasticity module at a bend, N/mm ² , not less than	1250
6	Shock durability by Izod kDj/m ²	64
7	Hardness (hardness scale)	65
8	Softening temperature by Vick, °C	128

The stated properties are measured typical product values and should not be considered as technical specifications.