

Technical Data Sheet

Product: High Density Polyethylene (HDPE) for injection molding (T60-475-119)

Description

T60-475-119 is a high-density polyethylene characterized by a narrow molecular weight. Parts fabricated from this material exhibit a glossy surface finish and have good impact strength and rigidity.

Characteristics

- High rigidity;
- Glossy surface aspects;
- Good impact strength;
- Meets FDA requirements of 21CFR 177.1520.

Applications

- Crates, dustbins.

Specifications

Parameter	Typical Value	Units	Test Method
Melt flow rate (2,16 kg load)	4,8	g/10 min	ASTM D 1238
Density	961	Kg/m ³	ASTM D 4883
Tensile strength at yield	30	MPa	ASTM D 638
Flexural Modulus	1675	MPa	ASTM D 790
Notched IZOD Impact Strength	42	J/m	ASTM D 256
Hardness (Shore D)	65	-	ASTM D 2240
Vicat softening point	129	°C	ASTM D 1525

Manufacturer

“Turkmenhimiya” State Concern

Packaging

T60-475-119 is produced in granules and packed in bags weighing 25 kg., 40 bags per 1 pallet.

Storage and transportation

Polyethylene is stored indoors at a temperature not higher than +30 °C, humidity not higher than 80%.