

Technical Data Sheet

Product: High Density Polyethylene (HDPE) for textile (A4009MFN1325)

Description

A4009MFN1325 is a high-density polyethylene homopolymer with a narrow molecular weight distribution primarily intended for the extrusion of monofilaments.

Characteristics

- High tenacity monofilaments & tapes;
- Very low gels content;
- Superior processability & surface quality;
- Very low MVTR (Moisture Vapour Transmission Rate).

Applications

- Extrusion of monofilaments;
- High tenacity tapes;
- Cereal liners;
- Injection molding.

Specifications

Parameter	Typical Value	Units	Test Method
Melt flow rate (2,16 kg load)	0,9	g/10 min	ISO 1133 Cond. D
Density	960	Kg/m ³	ISO 1872/1
Tensile strength at yield	30	MPa	ISO 527-2
Tensile strength at break	22	MPa	ISO 527-2
Elongation at break	>500	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178

Manufacturer

“Turkmenhimiya” State Concern

Packaging

A4009MFN1325 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%.