

High Density Polyethylene for Injection Moulding (HDPE)**TECHNICAL DATA SHEET****HDPE – A4009MFN1325****Polyethylene (PE) from SC "Turkmengas"**

According to the State Statistics Committee of Turkmenistan, the level of use of production facilities for the production of polyethylene in the Turkmenbashi complex of oil refineries (TKNPZ) reached 93.5%. This demonstrates the excellent technical condition of the plant and the availability of high-quality raw materials. Turkmenistan began the sale of polypropylene (PP) and high-density polyethylene (HDPE) from a new gas chemical complex in the village of Kiyarly (Balkan region, Turkmenistan).

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

A4009MFN1325 Characteristics:

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

Application:

- Extrusion of monofilaments
- High tenacity tapes
- Cereal liners film
- Injection moulding
- Blow-moulding for food packaging

**TYPICAL PHYSICAL PROPERTIES**

Property	Units	Typical Value	Test Method
Melt flow rate (2.16 kg load)	g/10 min	0.7 - 1,1	ISO 1133 Cond. D
Density	kg/m ³	958 - 962	ISO 1872/1
Tensile strenght at yield 50 mm/min	Mpa	27	ISO 527-2
Tensile strenght at break 50 mm/min	Mpa	19	ISO 527-2
Elongation at break	%	500	ISO 527-2
Flexural Modulus (1% secant), at 1.4mm/	Mpa	1000	ISO 178

Gtip: 3901.20.90.00.11**TDS – 1097-2018****KARADENİZ METALURJİ Inc.****T: +90 216 482 48 48****F: +90 216 482 48 57****E-mail: hi@karmetu.com.tr****Web: <http://www.karmetu.com>****Add: Fatih MH. Katip Çelebi Cd. No:53 Orhanlı-Tuzla / Istanbul – Turkey Post code: 34956**