

# Kiyanly Refinery (Turkmenistan)

## A4009MFN1325

**A4009MFN1325** is a homopolymer of high density polyethylene with a narrow molecular weight distribution, mainly intended for the extrusion of monofilament yarns.

A4009MFN1325 has the following properties:

- High Strength Monofilament and Ribbon
- Very low gel content
- Excellent technological characteristics and surface quality
- Very low moisture / steam conductivity

Application examples:

- Monofilament extrusion, high strength tapes, cereal product lines, injection molding

### Typical physical properties

| No | Description of Index                         | Rate |
|----|--|------|
| 1  | Volume speed of fluidity (2,16 kg), g/10 min | 0,9  |
| 2  | Density, kg/cm <sup>3</sup>                  | 960  |
| 3  | Tensile strength at yield strength           | 30   |
| 4  | Tensile strength at break                    | 22   |
| 5  | Elongation at break, %                       | >500 |
| 6  | Modulus of elasticity at break               | 1100 |

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