



EURASIA PETROL  
Trading of Petroleum Products

## PRODUCT DATA SHEET

| Product Category | Product Name        | Grade |
|------------------|---------------------|-------|
| Polymers         | POLYETHYLENE – HDPE | EX3   |

| Property  | Unit              | Typical Value | Test Method  |
|---|-------------------|---------------|--------------|
| Mass density (230 C)                              | g/cm <sup>3</sup> | 0.956         | ISO 1183     |
| Melt Flow Rate (1900C/5.0kg)                      | g/10min           | 3.3           | ISO 1183     |
| Melt Flow Rate (1900C/21.6kg)                     | g/10min           | 33            | ISO 1183     |
| Stress at Yield                                   | MPa               | 27            | ISO 527      |
| Flexural Creep Modulus (4point, 1min)             | MPa               | 1350          | DIN 19537-2  |
| Tensile Modulus (230 C, v = 1mm / min ,Secant)    | MPa               | 1200          | ISO 527      |
| Stress at Break                                   | MPa               | 31            | ISO 527      |
| Elongation at Break                               | %                 | >1000         | ISO 527      |
| Elongation at yield                               | %                 | 10            | ISO 527      |
| Softening Temperature                             | 0C                | 8             | ISO 306      |
| Brittle Temperature                               | 0C                | < - 80        | ASTM D746-72 |
| Shore D hardness                                  | -                 | 62            | ISO 868      |
| ESCR in Full Notch Creep Test (800C, 2% Arcopal ) | h@2.5 MPa         | 2             | ISO CD 16770 |
| Impact strength (230C)                            | Kj/m <sup>2</sup> | 23            | ISO 179/1eA  |

|                    |   |
|--------------------|---|
| <b>Application</b> | Monofilaments, Ropes, Yarns- fish netting geotextiles & cavil engineering |
| <b>Packaging</b>   | 25 Kg plastic bag   |



+90 24 22 44 55 85



www.Eurasiapetrol.com  
Info@Eurasiapetrol.com



Annan menderes blv, Tahıl pazarı neighborhood,  
Emka building, no:22, Muratpaşa, Antalya, Turkey.