

# Halene H HD T6

High Density Polyethylene

Haldia Petrochemicals Ltd.

Technical Data

Product Description

HD T6 is a general-purpose extrusion & lamination film HDPE produced by the Mitsui CX Technology.

HD T6 can be used for Lamination films, Woven sacks and Tarpaulin.

This grade is characterized by good processability and mechanical strength.

General

|                         |                                                 |                 |
|-------------------------|-------------------------------------------------|-----------------|
| Material Status         | • Commercial: Active                            |                 |
| Literature <sup>1</sup> | • <a href="#">Technical Datasheet (English)</a> |                 |
| Availability            | • Asia Pacific                                  |                 |
| Features                | • Good Processability                           | • Good Strength |
| Uses                    | • General Purpose                               | • Laminates     |
| Forms                   | • Pellets                                       |                 |
| Processing Method       | • Extrusion                                     |                 |

| Physical                                  | Nominal Value Unit | Test Method |
|-------------------------------------------|--------------------|-------------|
| Density <sup>3</sup>                      | 0.961 g/cm³        | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.50 g/10 min      | ASTM D1238  |

| Mechanical                      | Nominal Value Unit | Test Method |
|---------------------------------|--------------------|-------------|
| Tensile Strength <sup>4</sup>   |                    | ASTM D638   |
| Yield, Compression Molded       | 28.0 MPa           |             |
| Break, Compression Molded       | 38.0 MPa           |             |
| Tensile Elongation <sup>4</sup> |                    | ASTM D638   |
| Break, Compression Molded       | > 1000 %           |             |
| Flexural Modulus                | 1100 MPa           | ASTM D790   |

| Impact                     | Nominal Value Unit | Test Method |
|----------------------------|--------------------|-------------|
| Notched Izod Impact (23°C) | 250 J/m            | ASTM D256   |

| Hardness                     | Nominal Value Unit | Test Method |
|------------------------------|--------------------|-------------|
| Durometer Hardness (Shore D) | 65                 | ASTM D2240  |

| Thermal                  | Nominal Value Unit | Test Method |
|--------------------------|--------------------|-------------|
| Peak Melting Temperature | 131 °C             | ASTM D3418  |

| Extrusion             | Nominal Value Unit |
|-----------------------|--------------------|
| Cylinder Zone 1 Temp. | 200 to 240 °C      |
| Cylinder Zone 2 Temp. | 200 to 240 °C      |
| Cylinder Zone 3 Temp. | 200 to 240 °C      |
| Cylinder Zone 4 Temp. | 200 to 240 °C      |
| Cylinder Zone 5 Temp. | 200 to 240 °C      |
| Die Temperature       | 220 to 240 °C      |

Extrusion Notes

Quench Temperature: 25°C

Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 23°C

<sup>4</sup> Type IV