

# ADVANCED PRODUCT DATA SHEET



**PETRONAS**

MFR 0.9

Density 920 **ETILINAS ALFATENE LL0209AP**

## Linear Low Density Polyethylene for Film Extrusion

### DESCRIPTION

ETILINAS ALFATENE LL0209AP is a linear low density polyethylene (LLDPE) copolymer with butene as comonomer, which contains anti-oxidant. It is recommended for general-purpose film applications. It is suitable for blending with conventional low density polyethylene (LDPE).

### CHARACTERISTICS include:

- Easier sealing
- Greater drawdown capability
- Higher tensile strength
- Higher puncture resistance

### APPLICATIONS include:

- Refuse sacks
- Produce bags
- Carrier bags

| Product Properties          | Test Method | Units             | Value |
|-----------------------------|-------------|-------------------|-------|
| Melt Flow Rate (2.16 kg)    | ISO 1133    | g/10 min          | 0.9   |
| Density Annealed            | ISO 1183    | g/cm <sup>3</sup> | 0.920 |
| MD Tensile Strength @ Yield | ISO 527     | MPa               | 11    |
| MD Tensile Strength @ Break | ISO 527     | MPa               | 44    |
| MD Elongation @ Break       | ISO 527     | %                 | 600   |
| Dart Impact                 | ASTM D1709  | g                 | 150   |

Film properties measured on 38µm film.

### Typical Processing Conditions

N/A

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### AVAILABILITY

ETILINAS ALFATENE LL0209AP is available in 25kg bag and bulk bag. The product type and batch number are clearly marked on each bag.

### STORAGE/HANDLING

ETILINAS ALFATENE LL0209AP should be properly stored in well ventilated environment at a temperature of below 50°C. Prolonged or improper storage can result in deterioration of product properties. The PETRONAS Chemicals Safety Data Sheet (SDS) contains important safety information and should be viewed before using the product.

### HEALTH & SAFETY

ETILINAS ALFATENE LL0209AP is not classified as a dangerous preparation. Please refer to our Safety Data Sheet (SDS) for details on various aspects of safety, recovery and disposal of the product.

### PRODUCT STEWARDSHIP

PETRONAS aims to increase awareness of all the hazards associated with the storage, handling and use of its products. Thoroughly reviewing the accompanying Safety Data Sheets and disseminating the information to all dependent and interested parties is an essential part of any 'Responsible Care' programme.

### RELATED DOCUMENTS

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

- Safety Data Sheet (SDS)
- Statement on chemicals, regulations and standards

### FOR MORE INFORMATION

Please contact [PETRONAS Chemicals Group Berhad \(PCGB\)](#), Level 34, Tower 1, PETRONAS TWIN TOWER, KLCC, 50088 KUALA LUMPUR, MALAYSIA.

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