



## EGDA-6888

### HDPE Film Extrusion Resin

#### DESCRIPTION

EGDA-6888 is a high molecular weight high density polyethylene copolymer that has been designed specifically for tubular film extrusion. Its broad molecular weight distribution and density have been optimized to give excellent bubble stability with high film strength and rigidity. The combination of high strength and excellent drawdownability makes EGDA-6888 ideal for downgauging in many applications.

#### APPLICATIONS

Tubular films produced from EGDA-6888 are recommended for high strength grocery sacks, shopping bags, produce bags and high quality thin films for multiwall sack liners. Film have excellent treatability and they are ideally suited for printing of high quality graphics.

#### TYPICAL PROPERTIES

| Properties                         |    | Units             | Test Method   | Typical Value |
|------------------------------------|----|-------------------|---------------|---------------|
| <b>Resin Properties</b>            |    |                   |               |               |
| Melt Flow Index, I <sub>21.6</sub> |    | g/10 min          | ASTM D 1238   | 10            |
| Density                            |    | g/cm <sup>3</sup> | ASTM D 1505   | 0.952         |
| Melting Point                      |    | °C                | EQUATE        | 131           |
| <b>Blown Film Properties</b>       |    |                   |               |               |
| Dart Impact, F <sub>50</sub>       |    | g                 | ASTM D 1709 A | 170           |
| Elmendorf Tear                     | MD | g                 | ASTM D 1922   | 11            |
|                                    | TD |                   |               | 60            |
| 1% Secant Modulus                  | MD | MPa               | ASTM D 882    | 1050          |
|                                    | TD |                   |               | 1100          |
| Tensile Strength @ Break           | MD | MPa               | ASTM D 882    | 60            |
|                                    | TD |                   |               | 57            |
| Elongation @ Break                 | MD | %                 | ASTM D 882    | 380           |
|                                    | TD |                   |               | 550           |

\* Film properties are typical of 15 micron blown films extruded at 4:1 blow-up ratio (BUR), 215°C melt temperature.

ASTM: American Society for Testing and Materials

Values shown are typical and not to be construed as specification.

#### TYPICAL PROCESSING CONDITIONS

EGDA-6888 can be extruded on conventional HDPE blown film equipment at 215°C melt temperature.

A 4:1 BUR and high stalk bubble configuration are recommended.

#### FOOD CONTACT USAGE

Food contact suitability certificates are available upon request.

#### AVAILABILITY

EGDA-6888 is supplied in 25-Kg bags in secured pallets of 55 bags (1.375 MT net) and in sea bulk containers.



## **STORAGE AND HANDLING**

EGDA-6888 is supplied in pellet form and is readily conveyed on conventional polyethylene bulk handling equipment. The bulk handling system should be designed to prevent accumulation of fines and dust particles that can pose an explosion hazard. Ensure all equipment is properly grounded. The product should be stored in a cool dry shaded area away from dust, sunlight and heat. Also carefully review the **Material Safety Data Sheet (MSDS)** supplied with this product for health, safety and waste considerations.

## **IMPORTANT NOTICES**

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