

## ADVANCENE™ EE-3914-AAH

*Medium Density Polyethylene Resin*

### Overview :

This high molecular weight hexene copolymer provides:

- Excellent overall balance of Processability, Toughness and Strength.
- Good impact strength and tear properties.

### Applications:

- General purpose thin film, trash bags, merchant bags.
- Blending partner.
- Produce bags.
- Shopping bags.

Physical	Nominal Value (SI)	Test Method
Density	0.939 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/21.6 kg)	14 g/10min	ASTM D1238, ISO 1133
Flexural Modulus, Tangent	760 MPa	ASTM D790
Brittleness Temperature	<-75 °C	ASTM D746
Films Properties @ 25 Microns & BUR 4:1	Nominal Value (SI)	Test Method
Tensile St. @ Break, MD/TD	35/27 Mpa	ASTM D882
Dart Drop Impact	165 g	ASTM 1709A, ISO 7765
Spencer Impact Strength	0.35 J	ASTM D3420
Tensile Yield Strength MD, 50 mm/min	21 MPa	ASTM D882
Tensile Yield Strength TD, 50 mm/min	23 MPa	ASTM D882
Elongation @ Break MD, 50 mm/min	500 %	ASTM D882
Elongation @ Break TD, 50 mm/min	660 %	ASTM D882
Elmendorf Tear Strength MD	30 g	ASTM D1922
Elmendorf Tear Strength TD	350 g	ASTM D1922

**AVAILABILITY :**

This product is supplied in 25 kg bags in secured pallets of 60 bags (1.500 MT net). It is also supplied in jumbo bags of 1000 kg capacity.

**STORAGE :**

The product should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

More information on storage can be found in Safety Information Sheet for this product.

**SAFETY :**

The product is not classified as a hazardous mixture.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

A Safety Information Sheet is available on request. Please contact your ETHYDCO representative for more details on various aspects of safety, recovery and disposal of the product.

**RECYCLING :**

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

**RELATED DOCUMENTS :**

Most datasheets and statements are available on ETHYDCO website [www.ethydco-eg.com](http://www.ethydco-eg.com). If more information is required, please contact a ETHYDCO representative for information.

**DISCLAIMER :**

**The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.**

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

**ETHYDCO makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.**

**It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.**

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