



ADVANCENE™ EE-5001-AAH

ETHYDCO - High Density Polyethylene

General Information

Product Description

ADVANCENE™ EE-5001-AAH is a medium molecular weight extrusion grade of high density polyethylene with hexene co-monomer.

Applications:

- Primary applications for monofilament are fish netting, rope and fruit and vegetable packaging.

General

Features	<ul style="list-style-type: none"> • Hexene Copolymer 	<ul style="list-style-type: none"> • Medium Molecular Weight Distribution 	
Uses	<ul style="list-style-type: none"> • Fishing Applications • Food Packaging 	<ul style="list-style-type: none"> • Monofilaments • Netting 	<ul style="list-style-type: none"> • Rope

Properties¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.953	0.951 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90 g/10 min	0.90 g/10 min	ASTM D1238 ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Ultimate)	5220 psi	36.0 MPa	ASTM D638 ISO 527
Tensile Elongation (Break)	970 %	970 %	ASTM D638 ISO 527-2
Flexural Modulus	138000 psi	950 MPa	ASTM D790B ISO 178
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	59	59	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Vicat Softening Temperature	259 °F	126 °C	ASTM D1525 ISO 306