

# ADVANCENE™ EE-5001-PAB

High Density Polyethylene  
ETHYDCO

Message:

ADVANCENE™ EE-5001-PAB is a medium molecular weight extrusion grade of high density polyethylene.  
Applications:  
Primary applications for monofilament are fish netting, rope and fruit and vegetable packaging.

General Information			
Features	High density		
	Recyclable materials		
	Medium molecular weight		
Uses	monofilament		
	Rope		
	Food packaging		
	Web		
	Fishery application		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	59		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Fracture	35.0	MPa	ISO 527-2
Limit	35.0	MPa	ASTM D638
Tensile Elongation (Break)	1100	%	ASTM D638, ISO 527-2
Flexural Modulus	1200	MPa	ASTM D790B, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	119	°C	ASTM D1525, ISO 306

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