



PRODUCT DATA SHEET

ETILINAS HD5301AA HIGH DENSITY POLYETHYLENE

ETILINAS HD5301AA is a high molecular weight pelletised high density polyethylene which is suitable for a wide variety of film applications.

APPLICATION include :
- carrier bags
- thin counter bags

PHYSICAL PROPERTIES

Property	Units	Typical value	Test method
Melt Flow Rate : (2.16 kg load)	g/10 min	0.08	ISO 1133 : Condition 4
(21.6 kg load)	g/10 min	9	ISO 1133 : Condition 7
Density (annealed)	kg/m ³	950	ISO 1872/1

Film*

Dart Impact Strength		g	170	ISO 7765-1 : (E)
Tensile Stress at Break	MD	MPa	77	ISO 1184
	TD	MPa	57	
Tensile Stress at Yield	MD	MPa	32	ISO 1184
	TD	MPa	26	
Elongation at Break	MD	%	460	ISO 1184
	TD	%	950	
Elmendorf Tear Strength	MD	g/25microns	11	ISO 6383/2
	TD	g/25microns	180	

* 15 microns film extruded at 20 Kg/hr from 60mmX1.2mm die, using a blow ratio of 4:1 and a neck height of 8D. The property values are typical values obtained by averaging a number of test results. Small divergences from the quoted values may occur with film extrusion conditions and testing method.

MD = Machine direction TD = Transverse direction

IMPORTANT NOTICE:

Information contained in this document is accurate and reliable to the best of the knowledge and belief of POLYETHYLENE MALAYSIA SDN BHD (PEMSB). The suggestions and recommendations offered herein serve as a guide in the use of these materials, and cannot be guaranteed because the conditions of use are beyond PEMS B's control. PEMS B assumes no responsibility for the use of information supplied, the application, adaptation or processing of the products described herein and hereby disclaims all liability (except as otherwise provided by the law) in regard to such use. Version No : PDS/HD5301AA/2

For enquiry, please contact: **POLYETHYLENE MALAYSIA SDN BHD**
Tel: 603-2331 3375 Fax:603-2331 3444 / 5 Website:www.etilinas.com