

# HMW-HDPE POLIPOLEN®

HMW - HDPE  
(High Density Polyethylene)  
PRODUCTS : ROD & SHEET.

P R O D U C T  D A T A  S H E E T	PROPERTY	UNITS	TEST METHOD	VALUE	
	<b>PHYSICAL PROPERTIES</b>				
	DENSITY	g /cm <sup>3</sup>	D1505	0,952	
	AVE. MOLECULAR WEIGHT	10 <sup>6</sup> g/mol	-	~ 0,5	
	COEFF. OF STATIC FRICTION ( Pe On Pe )	-	-	0,15 - 0,25	
	<b>MECHANICAL PROPERTIES</b>				
	CORROSION	%	-	< 650	
	WATER ABSORPTION	%	-	< 0,02	
	HARDNESS SHORE	SKALA D	D2240	60 - 70	
	TENSILE STR. ( YIELD)	Mpa	D638	≥ 27	
TENSILE STR. ( BREAK)	Mpa	D638	18		
TENSILE ELONG. ( BREAK)	%	D638	500		
IZOD IMPACT	J/m	D256	-		
FLEXURAL MODULUS	Mpa	D790	1050		
<b>THERMAL PROPERTIES</b>					
MELT FLOW RATE <sup>1</sup> 190C° 2,16 Kg load.	GR/ 10 MİN	D1238	0,05		
VICAT SOFTENING TEMP.	C°	D1525	127		

This resin of product meets these specification. ASTM D4976 PE - 235 (Group:2, Class:3, Grade:5)

POLIPOLEN® is a registered trademark of POLIMERSAN A.Ş.

The information on that document and all the information , in any forms, weather in the Polimersan website or Polimersan product brochures are delivered according to the research and quality reports prepared by Polimersan engineering labs. Whatever the case Polimersan Engineering Plastics has no liability whatsoever in use of these information, the buyer has to verify the suitability of products for the related design and application. These are not guaranteed parameters since most of them are dependent on raw material producers variables. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify. No liability whatsoever shall attach to Polimersan Engineering Plastics for any kind of missuses of these products.

POLIMERSAN POLIMER KIMYA SAN.TIC. A.Ş. Orta Mah. Universite Cad. No.:29 Orhanlı -Tuzla ISTANBUL - TURKEY

PHONE: +90 (0216) 593 11 40(pbx) FAX : +90 (0216) 593 11 48

E- Mail : polimersan@polimersan.com

www.polimersan.com