

PE-HD
TECHNICAL DATA SHEET

FULL NAME: HIGH DENSITY POLYETHYLENE

PROPERTIES	TEST METHOD	UNIT	NATURAL / BLACK	COLOUR
DENSITY	ASTM D792	G/CM3	0,956	0,956
MFR (190°C, 5 KG)	ISO 1133	G/10 MIN	1.0	1.0
UV RESISTANCE (230 KLY)	ISO 4892-2	H	>3000	> 3000

**MECHANICAL PROPERTIES AT STANDARD ATMOSPHERE –
DIN EN ISO 291 – 23/50**

TENSILE STRENGTH AT BREAK	ISO 527-1 / 2	MPA	28	28
MODULUS OF ELASTICITY	ISO 527-1 / 2	MPA	1320	1320
NOTCHED IMPACT STRENGTH AT 30°C	ISO 179	KJ/M2	11	11
SHORE – HARDNESS D	ISO 868	D	63	63

THERMAL PROPERTIES

VICAT SOFTENING POINT	ISO 306	°C	79	79
COEFFICIENT OF LINEAR THERMAL EXTENSION	DIN 53752	°C*10 ⁻⁴	3,1	3,1

REV.	DATE	DESCRIPTION	MODIFIED PARAGRAPHS	WRITTEN BY	APPROVED BY
01	12/2020	LAYOUT UPDATE	//	601.37	601.37

THIS DATASHEET AND ALL PROPRIETIES INDICATED COME DIRECTLY FROM THE PRODUCER'S STUDIES AND TESTS. D.H. LAMINA S.R.L. DOES NOT PRODUCE THE MATERIAL.
THE CONTENTS OF THIS DATASHEETS ARE MEANT TO GIVE AN OVERVIEW OF THE PRODUCT'S PROPRIETIES. IT REFLECTS OUR CURRENT KNOWLEDGE AND MAY NOT BE COMPLETE. THE VALUES SHOULD BE TAKEN AS GUIDE VALUES BECAUSE THEY ARE DEPENDENT ON SURROUNDING CONDITIONS AND MACHINING METHODS. THE VALUES ARE IN NO WAY A LEGALLY BINDING ASSURANCE OF THE PRODUCT'S PROPRIETIES OR ITS SUITABILITY FOR USE IN A SPECIFIC APPLICATION. ALL STATED VALUES ARE AVERAGE ESTABLISHED FROM MANY INDIVIDUAL TESTS. FOR SPECIFIC APPLICATIONS, WE RECOMMEND DETERMINING SUITABILITY BY MEANS A TRIAL

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