

PA66

TECHNICAL DATA SHEET

FULL NAME: EXTRUDED POLYAMIDE 66

PROPERTIES	TEST METHOD	UNIT	GUIDELINE VALUES
DENSITY	DIN EN ISO 1183-1	g/cm ³	1,15
WATER ABSORPTION	DIN EN ISO 62	%	2,8
FLAMMABILITY (THICKNESS 3 MM / 6 MM)	UL 94		HB / V2

MECHANICAL PROPERTIES			
YIELD STRESS	DIN EN ISO 527	MPA	85
ELONGATION AT BREAK	DIN EN ISO 527	%	50
TENSILE MODULUS OF ELASTICITY	DIN EN ISO 527	MPA	3300
NOTCHED IMPACT STRENGTH (CHARPY)	DIN EN ISO 179	KJ/M ²	3
SHORE HARDNESS	DIN EN ISO 868	SCALE D	83

THERMAL PROPERTIES			
MELTING TEMPERATURE	ISO 11357-3	°C	260
THERMAL CONDUCTIVITY	DIN 52612-1	W / (M * K)	0,23
THERMAL CAPACITY	DIN 52612	KJ / (KG * K)	1,70
COEFFICIENT OF LINEAR THERMAL EXPANSION	DIN 53752	10 ⁻⁶ K ⁻¹	80
SERVICE TEMPERATURE, LONG TERM	AVERAGE	°C	-30 / +95
SERVICE TEMPERATURE, SHORT TERM (MAX)	AVERAGE	°C	170
HEAT DEFLECTION TEMPERATURE	DIN EN ISO 75	°C - METHOD A	100

ELECTRICAL PROPERTIES			
DIELECTRIC CONSTANT	IEC 60250		3,8
DIELECTRIC DISSIPATION FACTOR (50 Hz)	IEC 60250		0,015
VOLUME RESISTIVITY	DIN EN 62631-3-1	Ω * CM	10 ¹⁵
SURFACE RESISTIVITY	DIN EN 62631-3-2	Ω	10 ¹³

D.H. LAMINA S.R.L.

Via Santellone, 29/A • 25080 Molinetto di Mazzano (BS) • Italy
 Tel. +39 (0) 30 21 20 448 • Fax +39 (0) 26 20 813
 Capitale Sociale € 46.800,00 Interamente versato
 C.F. e Nr. Iscr. Registro Imprese 01685670174
 P.I. IT01685670174 • REA BS-262362
 PEC: dhlamina@pec.it • dhlamina@dhlamina.it • www.dhlamina.it

PA66
TECHNICAL DATA SHEET



COMPARATIVE TRACKING INDEX	IEC 60112	600
DIELECTRIC STRENGTH	IEC 60243	kV / MM 25

REV.	DATE	DESCRIPTION	MODIFIED PARAGRAPHS	WRITTEN BY	APPROVED BY
01	12/2020	LAYOUT UPDATE	//	601.363	601.363

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.

D.H. LAMINA S.R.L.

Via Santellone, 29/A • 25080 Molinetto di Mazzano (BS) • Italy
Tel. +39 (0) 30 21 20 448 • Fax +39 (0) 26 20 813
Capitale Sociale € 46.800,00 Interamente versato
C.F. e Nr. Iscr. Registro Imprese 01685670174
P.I. IT01685670174 • REA BS-262362
PEC: dhlamina@pec.it • dhlamina@dhlamina.it • www.dhlamina.it