WOOD
DATA SHEET

PROPERTIES	AVERAGE VALUES	UNIT	METHOD
DENSITY	1.27	g/cm³	ISO 1183
ASHES CONTENT	8	%	INTERNO
MELTING POINT (DSC)		ºC	DSC
MELT FLOW INDEX (230ºC - 2,16 KG)	19	g/10 min	ISO 1133

MECHANICAL PROPERTIES	AVERAGE VALUES	UNITS	METHOD
TENSILE STRENGTH AT YIELD		MPa	ISO 527
TENSILE STRENGHT AT BREAK	39	MPa	ISO 527
ELONGATION AT BREAK	>3	%	ISO 527
TENSILE MODULUS	2900	MPa	ISO 527
FLEXURAL MODULUS	3000	MPa	ISO 178
MAXIMUM FLEXURAL STRESS		MPa	ISO 178
IZOD IMPACT STRENGTH NOTCHED A 23ºC	4	k.J/m²	ISO 180/1A
IZOD IMPACT STRENGTH NOTCHED A -30ºC	3	k.J/m²	ISO 180/1A
CHARPY IMPACT STRENGTH NOTCHED A 23ºC	4	k.J/m²	ISO 179/1eA
CHARPY IMPACT STRENGTH NOTCHED A -30ºC		k.J/m²	ISO 179/1eA
CHARPY IMPACT STRENGTH UNNOTCHED A 23ºC		k.J/m²	ISO 179/1eU
CHARPY IMPACT STRENGTH UNNOTCHED A -30ºC		k.J/m²	ISO 179/1eU

TERMAL PROPERTIES	AVERAGE VALUES	UNIT	METHOD
VICAT SOFTENING POINT A120		ºC	ISO 306
VICAT SOFTENING POINT B50	70	ºC	ISO 75
H.D.T METHOD A (1,82 MPa, MATERIAL CRYSTALLIZED)	110	ºC	ISO 75

FLAMMABILITY PROPERTIES	AVERAGE VALUES	UNIT	METHOD
FIRE RESISTANCE (1,6 mm)			UL 94

TERMAL PROPERTIES	AVERAGE VALUES	UNIT	METHOD
VOLUME RESISTIVITY AT 23ºC		Ohm.cm	IEC 93
VOLUME RESISTIVITY AT 100ºC		Ohm.cm	IEC 93

SPOOL SIZE	DIAMETER	COLOR	PACKAGING
200g	1,75mm	Various	Cardboard box, vacuum and silica
750g	1,75mm	Various	Cardboard box, vacuum and silica

* The indicated parameters are valid for correctly calibrated printers (PyD, mechanical and fuser).
* Supervised and tested manufacturing process (diameter, color and winding) to guarantee the quality of our product.