

## PRODUCT INFORMATION

# DIAMOND DOT PRESS PAPER

## PRODUCT DESCRIPTION

Light calendared, medium density, medium elongation, Base paper acc: IEC 60641-3-2, Type P.4.3

## TECHNICAL INFORMATION

Description	Unit	Range of value	Constraint	Tolerance min	Tolerance max
Thickness	Mm	$0.127 \leq TH \leq 0.5$	0.127mm, 0.18mm, 0.25mm, 0.38mm 0.50mm	-10%	+10%
Grammage	g/m <sup>2</sup>		Calculated characteristic		
Diameter of the base	Mm	$280 \leq DO \leq 1000$	Standard 280mm or 370mm		
Diameter inside the core	Mm	$70 \leq DI \text{ Core} \leq 154$	Standard 76mm		
width	Mm	$1118 \leq W \leq 1565$		-1%	+1%
length	M		Calculated characteristic		

Property	Unit	Range of thickness mm	value
Apparent density	g/cm <sup>3</sup>		1
Tensile strength, machine direction	Mpa	$\leq 0.2$ $> 0.2$	99 91
Tensile strength, cross machine direction	Mpa	$\leq 0.2$ $> 0.2$	42 40
Elongation, machine direction	%	$\leq 0.2$ $> 0.2$	2.3 2.8
Elongation, cross machine direction	%	$\leq 0.2$ $> 0.2$	6.9 7.8
Moisture content	%		<8.0
Ash content	%		0.3
Conductivity of aqueous extract	mS/m		3.7
pH of aqueous extract			7.2
Bond strength cured for 120 min at 120°C and 14 kPa; tested at 100°C	N/cm <sup>2</sup>		54
Electrical strength in air unfolded	kV/mm	$\leq 0.2$ $> 0.2$	10 7
Electrician strength in oil	kV/mm	$\leq 0.2$ $> 0.2$	75 55