

# POLIKES®

PA 6G  
(CAST Polyamide)  
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>	DN 53479 & ISO 1183	1,15	
	WATER ABSORPTION	%	DN 53495 & ISO 62	% 6 - 7	
	<b>MECHANICAL PROPERTIES</b>				
	HARDNESS SHORE	SKALA D	DN 53505	85	
	HARDNESS ROCKWELL		ISO 2039-2	M88	
	TENSILE STRENGTH	N/mm <sup>2</sup>	DN 53455 & ISO 527	50 - 70	
	RUPTURE RESISTANCE	N/mm <sup>2</sup>	DN 53455 & ISO 527	88 - 90	
	ELONGATION AT RUPTURE	%	DN 53455 & ISO 527	10 - 40	
IMPACT RESISTANCE NOTCH	KJ / mm <sup>2</sup>	DN 53453 & ISO 179			
ELASTICITY MODULE	N/mm <sup>2</sup>	DN 53452 & ISO 178	3900 - 4200		
BALL NOTCH 358 / 30	N/mm <sup>2</sup>	DN 53456 & ISO 2039 -1	110 - 160		
<b>THERMAL PROPERTIES</b>					
MELTING POINT	C°	-	220		
THERMAL ELONGATION	1/K <sup>-5</sup>	DN 53752	8 - 9		
SERVICE TEMPERATURE	C°	DN 53461 & ISO 75	100		
<b>ELECTRICAL PROPERTIES</b>					
DIELECTRIC CONSTANT	kV/mm	DN 53481 & ISO 243	80 - 100		
VOLUMETRIC RESISTANCE	Qxcm	DN 53482 & ISO 167	> 10 <sup>15</sup>		
SURFACE RESISTANCE	Qxcm	DN 53482 & ISO 167	> 10 <sup>12</sup>		

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