

PE500 Sheet Pressed and Planed

Natural / Black

Technical Sheet



	Test Method	Unit	Value
Molecular weight	-	10 ⁶ g/mol	0.5
Density	DIN 53479 ISO 1183	g/cm ³	0.95
Yield tension	DIN 53 455 ISO 527-1	N/mm ²	27
Elongation at yield	DIN 53 455 ISO 527-1	%	9
Elongation at break	DIN 53 455 ISO 527-1	%	> 600
Tensile modulus of elasticity	DIN 53 455 ISO 527-1	N/mm ²	1200
Ball indentation hardness	DIN 53 456 ISO 2039	N/mm ²	50
Charpy impact value	DIN 53 456 ISO 179	KJ/m ²	25
Attrition	Sand-Slurry procedure	-	< 400
Coefficient of friction	DIN 53 375	-	0.2
Hardness shore D	DIN 53 505 ISO 868	-	65
Min. permanent temperature		°C	-60
Max. permanent temperature		°C	80
Thermal length expansion coefficient (23°C - 80°C)	DIN 53 752-A	K ⁻¹	1,5 ... 2x10 ⁻⁴

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Thermal conductivity		E / (m x K)	0.4
Volume resistivity	DIN 53 482	Ohm x cm	$> 10^{14}$
Absorption of water	DIN 53 492	mg	$\leq 0,01$
Physiologically stable	BgVV- recommendation III	-	Ja*

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.