

PROPERTIE	VALUE	UNITS	TEST METHOD
GENERAL			
DENSITY ⁽¹⁾	1.19	g/cm ³	ISO 1182, Method A,C o D
WATER ABSORPTION	0,50 ⁽²⁾	%	UNE-EN ISO 62, Method 1 (24h, 23°C)
CALORIFIC POWER (760mm AND 0°C)	1.255	kJ/Kg °C	-
IGNITION TEMPERATURE T _I	300	°C	ASTM-1929
SELF-IGNITION TEMPERATURE T _{AI}	430	°C	
REACTION TO FIRE BY RADIATION	M4	-	UNE-23-727
THERMAL			
SPECIFIC HEAT	0.35	cal/g °C	-
HEAT CONDUCTIVITY	4,5 x 10 ⁻⁴	cal cm/cm ² seg °C	DIN52612
HEAT TRANSMISSION COEFFICIENT K _{3mm}	5.50	kcal/m ² h °C	-
SOFTENING TEMPERATURE VICAT	118	°C	UNE-EN ISO 306 Method A50
TEMPERATURE FOR BUCKLING UNDER LOAD	98	°C	UNE-EN ISO 75/2-A
RECOMMENDED MOULDING TEMPERATURE	150 - 170	°C	-
MAXIMUM SERVICE TEMPERATURE	80 - 85	°C	IRPEN
FLAT SHEET			
MOULDED PART	75 - 80		
LINEAR DILATION COEFFICIENT	7 x 10 ⁻⁵	K ⁻¹	ISO 11359-2
DIMENSIONAL VARIATIONS AT HIGH TEMPERATURE (CONTRACTION)	Max. 2,5	%	UNE-EN ISO 7823-1 Schedule A
MECHANICAL			
TENSILE STRENGTH	Min. 70	Mpa	UNE-EN ISO 527-2/1B/5
MODULUS OF ELASTICITY IN TRACTION	Min. 3000		
DEFORMATION IN TRACTION	Min. 4		
FLEXURAL STRENGTH	110	Mpa	UNE-EN ISO 178
RESISTANCE TO CHARPY IMPACT (TEST PIECE NOT NOTCHED)	Min. 13	kJ/m ²	ISO 179/1 Fu
ROCKWELL HARDNESS	100	Escala M	UNE-EN ISO 2039-2
FRICTION COEFFICIENT		°C	IRPEN
PMMA / PMMA	0.80		
PMMA / STEEL	0,48 - 0,55		

PROPERTIE	VALUE	UNITS	TEST METHOD
OPTICAL			
Light transmission at 420mm (³)			
Before exposure to a xenon lamp	Min. 90	%	ISO 13468-2
After exposure to a xenon lamp during 1000h	Min. 88		
Turbidity	1	%	ISO 14782
Refractive index	1.49	-	UNE-EN ISO Method A
ACOUSTIC			
Soundproofing			
4mm	24	dB	DIN 52210
6mm	27		
10mm	29		
20mm	32		
ELECTRICAL			
Specific transversal resistance	Mi. 10 ¹⁵	Ω Cm	DIN VDE 0303 P3
Dielectric strength Ed (1 mm test piece)	30	kV/mm	DIN VDE 0303 P2
Dielectric constant			
50 Hz	3.5		DIN VDE 0302 P4
10 ⁶ Hz	2.6		
Dielectric constant			
50 Hz	5 x 10 ⁻²		DIN VDE 0303 P4
10 ⁶ Hz			
ENVIRONMENTAL INFORMATION			
No use of CFCs			
COMPLIANCE WITH ROHS DIRECTIVE			
Policril PO 01 colors 010001, 120001, 120002, 120003, 130001, 210002, 220002, 310002, 410001, 610001, 720002 and 910042 for thicknesses between 2 and 10 mm comply with Directive 2002/95/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment			

- 1) Clear material.
- 2) The value specified refers to square test pieces 3mm x 50mm x 50mm.
- 3) for non-coloured transparent material.

NOTE: The values provided are the result of tests conducted on representative samples but are not specifications.