

MACMAT		9.1	13.1	19.1
BASIC POLYMER PROPERTIES				
Polymer		POLYPROPYLENE		
Melting point (ISO 306)	°C	150		
Density (ISO 1183)	kg/m ³	900		
Inflammability (EN ISO 11925-2)	classe	F		
UV Resistance		STABILIZED		
MECHANICAL PROPERTIES - typical values				
Tensile strength - length direction (EN ISO 10319)	kN/m	2.0 (±0.3)	2.0 (±0.3)	2.3 (±0.3)
Strain at max strength - length direction (EN ISO 10319)	%	80 (±30)	55 (±25)	55 (±25)
Tensile strength - cross direction (EN ISO 10319)	kN/m	1.0 (±0.2)	1.0 (±0.2)	1.1 (±0.3)
Strain at max strength - cross direction (EN ISO 10319)	%	40 (±25)	60 (±25)	50 (±25)
PHYSICAL PROPERTIES - typical values				
Structure		biconical cusplate shape		
Mass per unit area (EN ISO 9864)	g/m ²	430 (±50)	490 (±50)	550 (±50)
PP single filament diametre	µm	500 (±30%)	500 (±30%)	500 (±30%)
Color ⁽¹⁾		black or brown (RAL dark brown 8102)		
Voids index	%	>90	>90	>90
Thickness at 2 kPa (EN ISO 9863-1)	mm	9 (±2.0)	13 (±2.0)	19 (±2.0)
Roll length ⁽²⁾	m	50	50	45
Roll width ^(2 & 3)	m	4.2	4.2	4.2
Roll area	m ²	210	210	189

- (1) Colors indicated are to mean as standard production colors even if stock availability is not guaranteed; other colors are available on request.
- (2) Different sizes are available on request.
- (3) The material is also available on request in 2,10 m width .



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Officine Maccaferri S.p.A.

Via Kennedy, 10 - 40069 Zola Predosa (BO) - Italy

Tel. (+39) 051-6436000 - Fax (+39) 051-6436201

E-mail: comes@maccaferri.com - Web site: www.officinemaccaferri.com

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