



CODE **CICLYLENE C4 MIMB20 BKIG**

DESCRIPTION *PP COPO MEDIUM IMPACT MOD BLACK*

REV 01

ISSUED 24/07/2023

PROPERTIES	UNITS	VALUE - DAM		METHOD
<b>PHISICAL</b>				
SPECIFIC GRAVITY	g/cm <sup>3</sup>	0.92		ISO 1183
MELT FLOW INDEX (230°C - 2,16 Kg)	g/10'	15-20		ISO 1133
MOISTURE ABSORPTION 24h at 23° in H2O*	%	-		INTERNAL
MOISTURE ABSORPTION saturation*	%	-		INTERNAL
MOULDING SHRINKAGE: ALONG FLOW*	%	1,8-2,5		INTERNAL
MOULDING SHRINKAGE: ACROSS FLOW*	%	1,8-2,5		INTERNAL
<b>MECHANICAL</b>				
TENSILE STRENGHT*	MPa	-		ISO 527-2
TENSILE MODULUS*	MPa	-		ISO 527-2
FLEXURAL STRENGHT*	MPa	-		ISO 178
FLEXURAL MODULUS*	MPa	-		ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m <sup>2</sup>	>20		ISO 180/A
IZOD IMPACT STRENGHT NOTCHED -10°C	KJ/m <sup>2</sup>	>7		ISO 180/A
<b>THERMIC</b>				
VICAT/B (50N; 120° C/h)	°C	60		ISO 306
HDT/A (1,8 Mpa)	°C	-		ISO 75-2
<b>FLAMMABILITY</b>				
FLAME RATING (1,6 mm – 3,2 mm)*	CLASS	HB		UL 94
GLOW WIRE FLAMMABILITY INDEX (1 mm)*	°C	-		IEC 60695-2-12
<b>PROCESSING</b>				
PREDRYING TEMPERATURE	°C	40	60	
PREDRYING TEMPERATURE TIME	h	3	4	
RECOMMENDED MELT TEMPERATURE	°C	190	240	

**Compound di polipropilene (PP) riciclato realizzato con una percentuale dal 70% al 98% derivante da scarti post- consumo (PCR) della linea commerciale CICLYLENE.**

**Recycled polypropylene (PP) compound obtained from post-consumer waste (PCR) in the quantity between 70% and 98%, named CICLYLENE.**

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