



Inspection certificate (EN 10204-3.1)

Bayer MaterialScience AG
Kaiser-Wilhelm-Allee

D-51373 LEVERKUSEN

Michels S.P.A.
Ufficio Commerciale
Via M. Faraday 15/1

20143 Milano MI

2009-09-01

FAX: +390289189420

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Product name	Product number
MAKROLON 2407 651192 PE-SACCO 25KG CP1-HT-PAL1000KG	82288776

Customer purchase order data

Ship-to party	Order quantity	Your purchase order number
717444 Michels S.P.A.	3000 KG	079354

Order data

Order no.	Delivery no.	Quantity delivered	Number of ship.units
2011498420	2008476909 / 10	2625 KG	3

Batch data

Batch no.	Quantity delivered
11CM9H0090	2625 KG

Properties	Method	Results	Specification	Units
MVR	Derived from ISO 1133 300°C 1,2Kg	19,8	15,0 - 22,5	cm³/10 min
MFR	Derived from ASTM 1238 300°C 1,2Kg	20,8	15,8 - 23,8	g/10 min
Delta L	DIN 6174 / ASTM D 2244	-0,14	-1,20 - 1,20	
Delta a	DIN 6174 / ASTM D 2244	-1,47	-1,75 - 1,75	
Delta b	DIN 6174 / ASTM D 2244	0,67	-1,40 - 1,40	
Delta E	DIN 6174 / ASTM D 2244	1,62	<= 2,55	

If any questions arise, please call:
H. Dr. Heinrich Haehnsen

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1. This notification was generated electronically and is also valid without signature.
2. The above mentioned data and values are the results of previous controls but do not imply any guarantee. This notification does not release the customer from any agreed upon obligation by the customer to inspect the goods received.
3. These findings have been confirmed by an independent approval authority. The approval authorities appointed by BMS are recorded in the QM system.



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2010-07-16

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Product name

MAKROLON 2407
350303
PE-SACCO 25KG CP1-HT-PAL1000KG

Product number

04207827

Customer purchase order data

Ship-to party
717444 Michels S.P.A.

Order quantity
10000 KG

Your purchase order number
040276

Order data

Order no.
2011627783

Delivery no.
2008757541 / 10

Quantity delivered
10075 KG

Number of ship.units
11

VEH. Ident.
280BHG / USF110

Batch data

Batch no.
11CM0F1050

Quantity delivered
10075 KG

Properties	Method	Results	Specification	Units
MVR	Derived from ISO 1133 300°C 1,2Kg	16,0	15,0 - 22,5	cm ³ /10 min
MFR	Derived from ASTM 1238 300°C 1,2Kg	17,0	15,8 - 23,8	g/10 min
Delta L	DIN 6174 / ASTM D 2244	0,18	-2,00 - 2,00	
Delta a	DIN 6174 / ASTM D 2244	-0,01	-2,00 - 2,00	
Delta b	DIN 6174 / ASTM D 2244	0,29	-2,00 - 2,00	
Delta E	DIN 6174 / ASTM D 2244	0,34	<= 3,50	

If any questions arise, please call:

Dr. Ute Wollborn

BMS-PCS-GI-GTPM

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Mail: ute.wollborn@bayermaterialscience.com

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**TECHNICAL DATA SHEET
EUROLEGA PC1515U C065 BIANCO**

PC, UV stabilized; for high reflectance application; injection molding

PROPERTIES	METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	ISO 1183	g/cm ³	1,3
Water Absorption at 23° C/sat	ISO 62	%	0,25
Moisture absorption at 23°C / 50% r.h.	ISO 62	%	0,1
Melt Flow Index (300 °C / 1,2 kg)	ISO 1133	g/10 ^{mm}	15
MECHANICAL PROPERTIES			
Tensile Strength at yield	ISO 527	MPa	60
Tensile Strength at break	ISO 527	MPa	50
Elongation at break	ISO 527	%	> 50
Tensile Modulus	ISO 527	MPa	2600
IZOD Impact strength notched at 23°C	ISO 180/1A	kJ/m ²	15
IZOD Impact strength at 23°C	ISO 180	kJ/m ²	230 N
THERMAL PROPERTIES			
VICAT softening point B / 50	ISO 306	° C	145
H.D.T.- Method A [1,80 MPa]	ISO 75	° C	110
FLAMMABILITY PROPERTIES			
Fire Resistance [3,0 mm sp]	UL 94	-	HB
Fire Resistance [1,5 mm sp]	UL 94	-	V2
LIGHT PROPERTIES			
Light reflection 4mm	JIS 8722	%	97 - 98

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