



Технический паспорт 3.1 по стандарту UNI EN 10204:2005 INSPECTION CERTIFICATE 3.1 according to UNI EN 10204:2005

| | | |
|--------------|---|----------------|
| КОД / CODE : | Изделие / PRODUCT : | ПАРТИЯ / BATCH |
| 2015160050 | колено 45° d. 50 PN16 SDR11 45° ELBOW d. 50 PN16 SDR11 | D90829 |

ССЫЛКА НА ЗАКАЗЧИКА / CUSTOMER REFERENCE

Изделие- СЫРЬЁ / PRODUCT - RAW MATERIALS

| | | | |
|--|-----------------------------|--------------|----------|
| A.1] колено 45° d. 50 PN16 SDR11 | Партия пост./Supplier Batch | Партия/Batch | К-во/Qty |
| A.2] Polyethylene PE100-RC Hostalen CRP100 RESIST CR Ы | | | |
| | | D90829 | 1277 |
| | | XD0245T03 | F19532 |
| ДАТА ИЗГОТОВЛЕНИЯ ИЗДЕЛИЯ-ДЕТАЛЕЙ/ PRODUCTION DATE PRODUCT-COMPONENTS: | | 05/2019 | |

A протокол испытаний / TEST REPORT

| Характеристика / Метод испытания Characteristic / Test Method | | ЕИ M.U. | Требования Requirements | Результаты Results |
|--|------------------------|------------|----------------------------|-----------------------|
| Контроль внешнего вида / Appearance control | [EN 1555 - EN 12201] | (b) | | ПОЛОЖ |
| Контроль маркировки / Marking control | [EN 1555 - EN 12201] | (b) | | ПОЛОЖ |
| Средний наружный диаметр / Mean outside diameter | [EN ISO 3126] | (b) | mm 50 - 50,4 | 50,25 |
| Овальность / Out-of-roundness | [EN ISO 3126] | (b) | mm <=0,8 | 0,5 |
| Толщина стенки / Wall thickness | [EN ISO 3126] | (b) | mm 4,6 - 5,2 | 4,9 |
| Длина хвостовика / Tubular length | [EN ISO 3126] | (b) | mm 59 - 61 | 60 |
| Прочность на давление / Hydrostatic strength | [EN ISO 1167] | (b) | h >=165 | [2019050023] 165 |

C протокол испытаний / TEST REPORT

| Характеристика / Метод испытания Characteristic / Test Method | | ЕИ M.U. | Требования Requirements | Результаты Results |
|---|-----------------|------------|----------------------------|-----------------------|
| MFR - Индекс текучести / MFR - Melt mass-flow rate | [EN ISO 1133] | (b) | g/10 min 0,2 - 1,4 | 0,219 |
| OIT - время индукции окисления / OIT - Oxidation induction time (T=210°C) | [ISO 11357-6] | (b) | min >=20 | 70,6 |
| MFR - Индекс текучести / MFR - Declared melt mass-flow rate | [EN ISO 1133] | (a) | g/10 min 0,2 - 1,4 | 0,23 |
| OIT - время индукции окисления (T=210°C) / OIT-Decl. oxidation ind.time (T=210°C) | [ISO 11357-6] | (a) | min >=20 | 73 |
| Обычная плотность / Conventional density | [ISO 1183] | (a) | g/cm ³ >=0,93 | 0,956 |

| | | | | | |
|---|--------------|-----|---|---------|------|
| Сажевое содержание / Carbon black content | [ISO 6964] | (a) | % | 2 - 2,5 | 2,28 |
|---|--------------|-----|---|---------|------|

Результаты во второй колонке таблицы отмеченные (a), относятся к полиэтилену, который используется для изготовления указанных изделий/деталей; данные результаты выведены из контрольного сертификата выданного поставщиком сырья.

Результаты во второй колонке таблицы отмеченные (b), получены выбором образцов в случайном порядке из одной партии изделий, в соответствии с планом самопроверки.

Полиэтиленовые фитинги "EURO" соответствуют стандартам UNI EN 1555-3, EN 1555-3, UNI EN 12201-3, EN 12201-3, UNI EN ISO 15494, согласно моделям и диаметрам в приложениях к «Сертификатам Соответствия и Лицензии на пользование знака качества RINA» от № . 0610/01 до № 0610/12, опубликованным на сайте www.eurostandard.it

Results, pointed out with (a) in the second column, relate to the polyethylene used in the manufacture of these products; the indicated results are representative of the Certificate of Analysis provided by the raw material supplier.

Results, pointed out with (b) in the second column, are representative of production samples randomly selected from the same production batch as the delivered parts, in accordance with the relevant test plans.

Fittings belonging to "EURO" series are produced and tested in compliance with standards UNI EN 1555-3, EN 1555-3, UNI EN 12201-3, EN 12201-3, UNI EN ISO 15494, as per types and diameters detailed in annexes to "Certificates of Conformity and Licence to Use the RINA Quality Mark" from N. 0610/01 to N. 0610/12 published on website www.eurostandard.it

Eurostandard S.p.A.
Менеджер по Качеству
Eng. Maurizio Tiso

Дата / Date: 09/08/2019

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Polyethylene PE100-RC Hostalen CRP100 RESIST CR bl

F19532

Basell Sales & Marketing Company B.V.
a LyondellBasell company
P.O. Box 2416
NL-3000 CK Rotterdam

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| i | iii | ii

Basell Sales & Marketing BV, NL-3000 CK Rotterdam

EUROSTANDARD
ZONA INDUSTRIALE LAGO
38038 TESERO
Italy

Inspection Certificate

Date: 12.04.2019
Reference no (date of test): 19092 / 19.03.2019
Delivery item/date: 8101745807 900001 / 17.04.2019
Order item/date: 5457278 000020 / 19.03.2019
Customer number / Our contact person: 132138 / STEFANO CRISTOFOLETTI

Material: Our / Your description
18957A00 HOSTALEN CRP 100 RESIST CR BLACK /

On the batch, of which the consignment is a part, the following values were determined. They conform to the agreed product specification.

Batch: XD0245T03

| Property | Value | Unit |
|----------------------------------|---------------|-------------------|
| MFR 190°C/5 ISO 1133-1 | 0.23 | g/10 min |
| Density ISO 1183 23°C | 0.956 | g/cm ³ |
| Water content ISO 15312 | 0.005 | wt% |
| Carbon Black Content ISO 6964 | 2.28 | wt% |
| Odour Value (TON) EN 1622 | 1.5 | |
| Organoleptic prop. NF T54-951 | 0.5 | min |
| OIT 210°C ISO 11357-6 / EN 728 | 73 | |
| Dispersion note ISO 18553 | 1.6 | |
| Rating of appearance ISO 18553 | A2 | |
| FNCT 4MPa 80°C 2% Ark. ISO 16770 | > 8760 | HOURS |
| FNCT-Certificate-No. | GT-19007105-1 | |
| Date of FNCT-Certificate | 08.04.2019 | |

Note 1: Organoleptic properties on granules calculated from correlation between methods TZW and NF 114
Note 2: FNCT measured with correlative test method: ACT or SHI (ISO 18448). Correlation approved by DIN CERTCO
Tracecoding Code No.: H17 (www.tracecoding.com)

Product Certifications, Approvals and Compliances for Hostalen CRP 100 RESIST CR black:

Germany: DIN CERTCO "DINplus" Reg.-No. PIW0095 / Compliance with requirements of PAS 1075 / PAS 1031
Germany: DIBK - U - Basell Polyolefine GmbH, Approval No. Z-40.25-461
Austria: ÖVGW-Qualitätsmarke GAS, Reg.-No. G2.964 / Approved according OS-G392-1 as PE100-RC
Austria: "ÖNORM-geprüft" by Austrian Standard, Conformity with ÖNORM EN 1555-1, ÖNORM EN 12201-1, Reg.No. N2011 147 / N 001111

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8101745807 900001/17.04.2019

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Switzerland: SVGW - Zertifikat K 195, Certified for water and gas acc. SVGW GW/TRG-TPW 101 (10/04)
France: AENOR, NF-Mark NF 114, LNE-Reg.-No. 1003, Conformity with NF EN 1555-1, NF EN 12201-1
The batch conforms to the certification rules of NF 114. The values comply with the specifications in NF 114 part 2, table 1.
Spain/Portugal: AENOR Product Certificate No. 001/005137 and 001/005136, Conformity with UNE EN 1555-1, UNE EN 12201-1

Nordic Countries: INSTA-CERT Certificate No. 5089, Conformity with INSTA SBC EN 1555, INSTA SBC EN 12201
Italy: PIP-Conformity mark, Conformity with EN 1555-1, EN 12201-1, EN ISO 15494 / Compound code: 017
PE100 + Association: Listed as "PE100 + Quality material" (www.pe100plus.com/PE-Pipes/materials)

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

Batch released on behalf of: Basell Sales and Marketing Company B.V. by plant Quality Control Department.

This document is electronically generated, based on current specification and is not signed.

Our Quality Management System is certified.

CONFORME
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