

granulates, dry-blends, polymers, advanced extrusion

ecoVinyl®





Capacity of Mixing plant: 1 730 t/ m-c

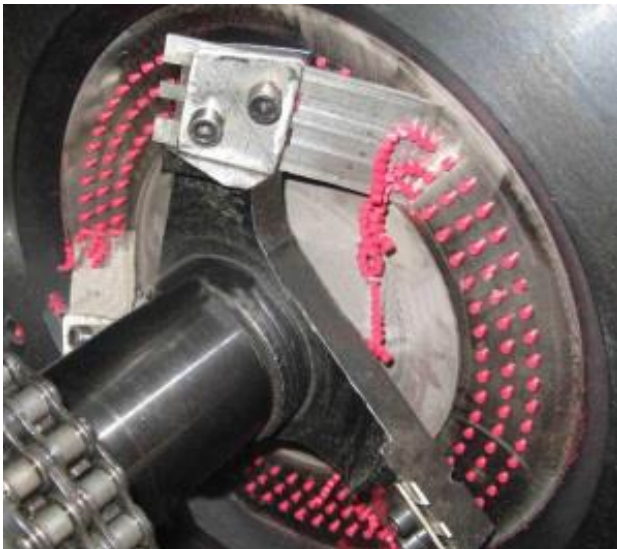
Ecovinyl – 70 %

Poli – Eco – 30 %

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New granulator line



Capacity: 800 kg/h

OFFER

In our offer we have materials based on:

- Rigid PVC for extrusion in 3 main standard groups for example:
 - Ecovinyll RAL (9010; 9016; 7001; 9004)/**45/30/20**
 - Ecovinyll Ecowhite/**45/30/20**;
 - Flexible PVC for extrusion;
 - Foamed PVC;
-

Properties of Ecovinyll/45

| Property | | Test method | Unit | Value |
|---------------------------------|------------------|---|--------------------------|--------------|
| Density | | PN-EN ISO 1183-3 : 2003 | g/cm ³ | 1,58 ÷ 1,62 |
| Bulk density | | PN-ISO 60: 1998/Ap1:2001 | g/cm ³ | 0,910÷0,940÷ |
| Charpy – impact strength | | PN EN ISO 179-1/1eC:2004 (impact testing machine 4J) | kJ/m ² | 2,1 C* |
| Hardness according to Shore | | PN-ENISO 868 : 2005 | ShD | 84 ± 2 |
| Vicat – softening point | | PN-EN ISO 306 : 2006 | °C | 86,7 ± 2 |
| Heat stability in 200°C | | PN-C-89265-4 : 1998 | min | 21 |
| Flammability according to UL 94 | | PN-EN 60695-11-10/A1:2005 (according to B method) | Grade of flammability | V-0 |
| Melt flow index (MFI) | Mass (MFR) | PN-EN ISO 1133: 2006; (temp. 190°C; load 21,6kg) | g/10min | 5,73 |
| | Volumetric (MVR) | | cm ³ /10min | 3,84 |

*Charpy impact test – from material not from final product

Properties of Ecovinyll/30

| Property | Test method | Unit | Value |
|---------------------------------|--|-----------------------|--------------|
| Density | PN-EN ISO 1183-3 : 2003 | g/cm ³ | 1,53÷1,56 |
| Bulk density | PN-ISO 60: 1998/Ap1:2001 | g/cm ³ | 0,860÷0,890 |
| Charpy – impact strength | PN EN ISO 179-1/1eC:2004 (impact testing machine 4J) | kJ/m ² | 3,1 C* |
| Hardness according to Shore | PN-ENISO 868 : 2005 | ShD | 82 ± 2 |
| Vicat – softening point | PN-EN ISO 306 : 2006 | °C | 86,5 ± 2 |
| Heat stability in 200°C | PN-C-89265-4 : 1998 | min | 22 |
| Flammability according to UL 94 | PN-EN 60695-11-10/A1:2005 (according to B method) | Grade of flammability | V-0 |

*Charpy impact test – from material not from final product

Properties of Ecovinyll/20

| Property | Test method | Unit | Value |
|---------------------------------|---|------------------------------|--------------|
| Density | PN-EN ISO 1183-3 : 2003 | g/cm ³ | 1,45÷1,48 |
| Bulk density | PN-ISO 60: 1998/Ap1:2001 | g/cm ³ | 0,820÷0,850 |
| Charpy – impact strength | PN EN ISO 179-1/1eC:2004 (impact testing machine 4J) | kJ/m ² | 31,4 C* |
| Hardness according to Shore | PN-ENISO 868 : 2005 | ShD | 84 ± 2 |
| Vicat – softening point | PN-EN ISO 306 : 2006 | °C | 85,5 ± 2 |
| Heat stability in 200°C | PN-C-89265-4 : 1998 | min | 21 |
| Flammability according to UL 94 | PN-EN 60695-11-10/A1:2005 (according to B method) | Grade of flammabil ity | V-0 |

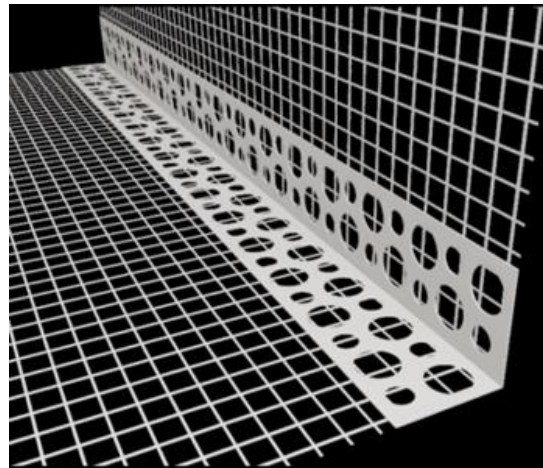
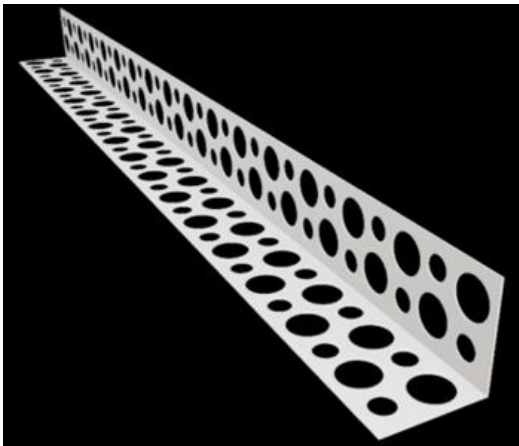
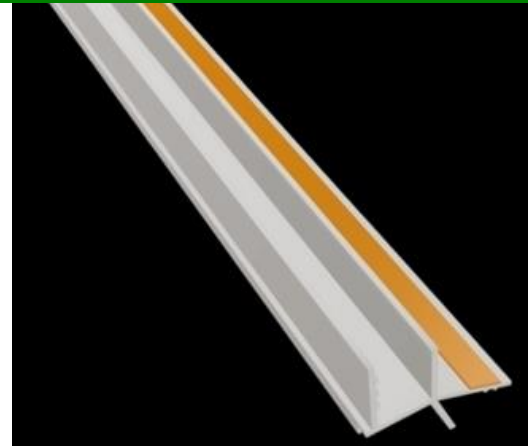
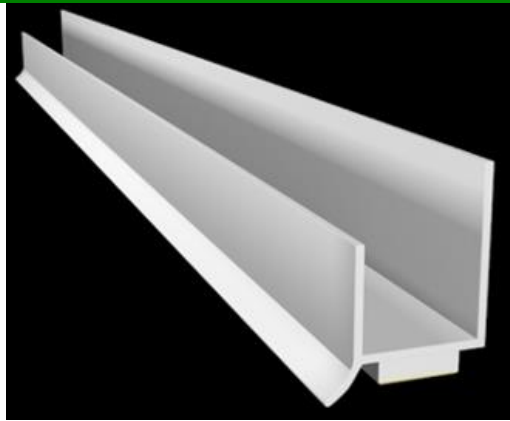
*Charpy impact test – from final product (rain gutter)

MATCHING NEW MATERIALS FOR SPECIAL APPLICATIONS

- Form (dry blend or granulate);
- Kind of PVC:
(rigid / flexible / foamed or for foaming on-line);
- Application;
- Impact strength;
- UV stability:
(indoor/outdoor application);
- Profile temperature of extruder;
- Mass temperature, pressure;



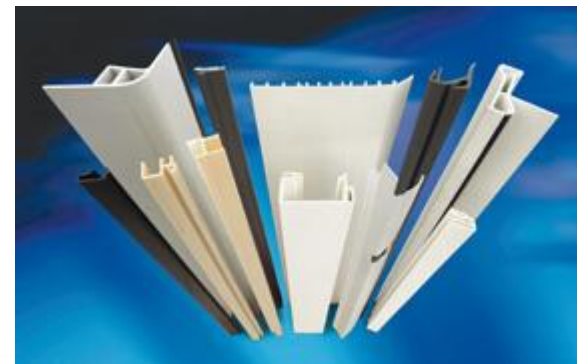
PRODUCTS



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tablica.pl



STABILIZATION Calcium/Zink

PACKING and STORAGE

| | |
|---------|--|
| Packing | 25 kg bags, 500/1200 kg big – bags |
| Storage | Time of storage to 12 months in closed storage rooms, moisture content of air 50 ± 30 %, ambient temperature $20 \pm 10^{\circ}\text{C}$, on condition that material will be protected against sunlight |

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Thank you for your attention !