

ecovinyl

granulates and dry-blends PVC
www.ecovinyl.eu



Ecovinyl®, a part of Poli-Eco Group (PEG), specializes in production of original granulates and dry-blends based on polyvinyl chloride (PVC), intended both for processing by extrusion moulding and injection.

Ecovinyl® offers an array of hard, plasticized and foamed materials, which can be dyed any colour, as well as transparent, used mostly in the building industry. Ecovinyl® makes dry-blends using top-quality raw materials for calcium-zinc stabilization. A modern laboratory ensures high and stable quality of deliveries, controlling the critical material parameters. Every delivery comes with an analysis certificate.

PEG, as a manufacturer of technical profiles with over 30 years' experience, is aware that stable and reliable production means obvious savings and profit. This is why the customers of Ecovinyl® can count of repeatability of deliveries, guaranteeing stable colour and rheological properties of the material.



Do you need granulate or dry-blends matched in terms of colour and quality for your own needs?

Production of Ecovinyl® materials is very flexible. Thanks to many years of experience and qualified staff, Ecovinyl® can meet your expectations and needs.

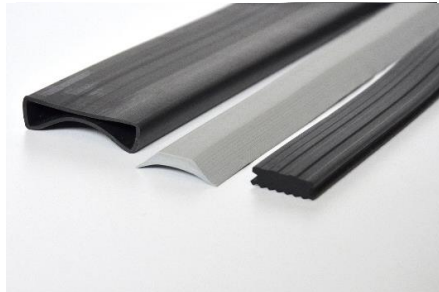


PVC GRANULATES FOR EXTRUSION PROCESSING

Plasticized (soft) PVC granulates, offered in a broad range of hardness from 55 ShA

Designation	Testing method	Unit	Value
Density	PN-EN ISO 1183-3: 2003	g/cm ³	1,30÷1,45
Bulk density	PN-ISO 60: 1998/Ap1:2001	g/cm ³	0,58÷0,65
Shore hardness	PN-EN ISO 868 : 2005	ShA	min 55
Vicat fusing point	PN-EN ISO 306 : 2006	°C	60÷70
Thermal stability at 200°C	PN-C-89265-4 : 1998	min	30± 2

Application: production of sealing strips usually in coextrusion

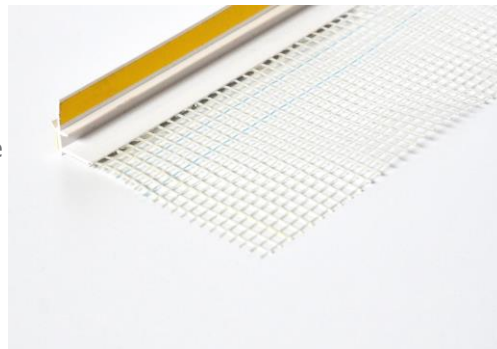


Ecovinyl® /20

Hard PVC granulates, divided into basic groups:

Designation	Testing 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:2010(4J hammer)	kJ/m ²	31,4 C*
Shore hardness	PN-EN ISO 868 : 2005	ShD	81 ± 2
Vicat fusing point	PN-EN ISO 306 : 2006 A 50	°C	85,8 ± 2
Thermal stability at 200°C	PN-C-89265-4 : 1998	min	18
Flammability as per UL 94	PN-EN 60695-11-10/A1:2005 (acc.to method B)	Flammability class	V-0

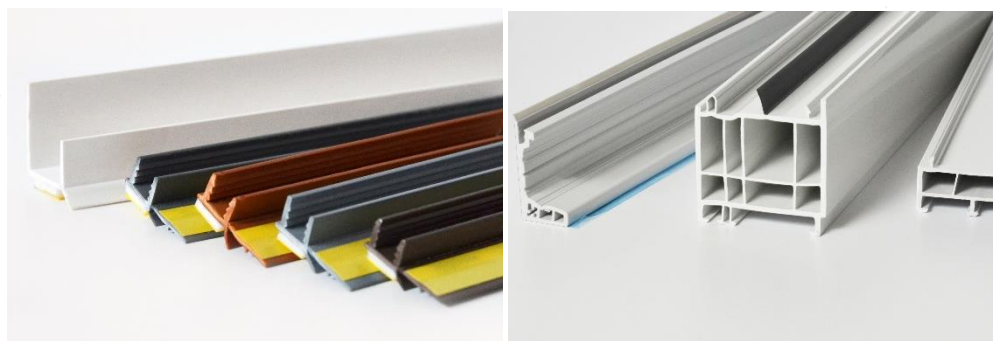
Application: production of pipes, protective pipes, couplings, stiff pipes, window profiles



Ecovinyl® /25/FM

Designation	Testing method	Unit	Value
Density	PN-EN ISO 1183-3 : 2003	g/cm ³	1,51÷1,54
Bulk density	PN-ISO 60: 1998/Ap1:2001	g/cm ³	0,840÷0,880
Shore hardness	PN-EN ISO 868 : 2005	ShD	81 ± 2
Charpy impact strength	PN-EN ISO 179-1/1eA:2010 (hammer 1J)	kJ/m ²	5,5 C*
Vicat fusing point	PN-EN ISO 306 : 2014 (A50)	°C	85,4 ± 2
Flammability UL 94	PN-EN 60695-11-10 : 2014	Flammability class	V-0

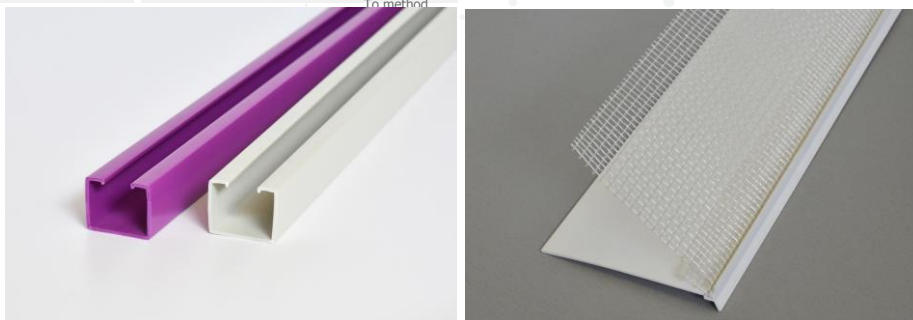
Application:
production of wall panels,
door frames



Ecovinyl® /30

Designation	Testing method	Unit	Value
Density			
Density	PN-EN ISO 1183-3: 2003	g/cm ³	1,55÷1,59
Bulk density	PN-ISO 60: 1998/Ap1:2001	g/cm ³	0,860÷0,910
Charpy impact strength	PN-EN ISO 179-1/1eC:2010 (hammer 4J)	kJ/m ² ShD	3,1 C*
Shore hardness	PN-EN ISO 868 : 2005	°C	82 ± 2
Vicat fusing point	PN-EN ISO 306 : 2006	min	86,1 ± 2
Thermal stability at 200°C	PN-C-89265-4 : 1998	Flammability class	18
Flammability acc. to UL 94	PN-EN 60695-11-		V-0

Application:
production of finishing slats,
floor slats, electrical fitting
ducts and pipes



Ecovinyll® /45

Designation		Testing method	Unit	Value
Density		PN-EN ISO 1183-3 : 2003	g/cm ³	1,51÷1,54
Bulk density		PN-ISO 60: 1998/Ap1:2001	g/cm ³	0,840÷0,880
Charpy impact strength		PN-EN ISO 868 : 2005	ShD	81 ± 2
Shore hardness		PN-EN ISO 179-1/1eA:2010 (hammer 1J)	kJ/m ²	5,5 C*
Vicat fusing point		PN-EN ISO 306 : 2014 (A50	°C	85,4 ± 2
Thermal stability at 200°C		PN-EN 60695-11-10 : 2014	Flammability class	V-0
Flammability as per UL 94		PN-EN ISO 1183-3 : 2003	g/cm ³	1,51÷1,54
Maximum stress, strength		PN-EN ISO 527-1:2012, PN-EN ISO 527-2:2012	MPa	28,9
Breaking strain		Beschlag PN-EN ISO 527-3:1998, type 5 testing speed 5 mm/min	%	30
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

Application:

- production of building profiles,
- flat bars, lamellas/louvers

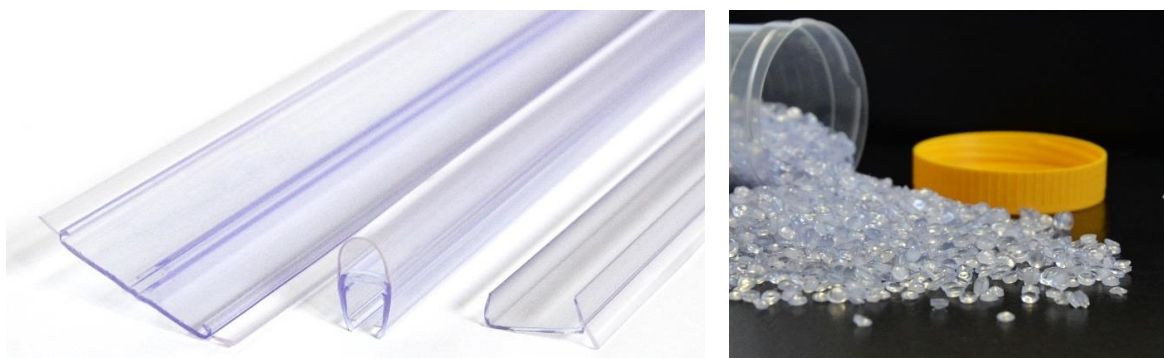


TRANSPARENT PVC GRANULATES - BASED ON CALCIUM/ZINC STABILIZATION CA/ZN

Hard transparent PVC granulates

Designation	Testing method	Unit	Value
Density	PN-EN ISO 1183-3: 2003	g/cm ³	1,37
Shore hardness	PN-ISO 60: 1998/Ap1:2001	ShD	78± 2
Vicat fusing point	PN-EN ISO 306 : 2006	°C	71,3
Thermal stability at 200°C	PN-C-89265-4 : 1998	min	17± 2
Maximum stress, strength	PN-EN ISO 527-1:2012, PN-EN ISO 527-2:2012	MPa	59,1
Breaking strain	PN-EN ISO 527-3:1998	%	150

Hard transparent PVC granulates



GRANULATES FOR INJECTION PROCESSING

Hard PVC granulates - dyed and transparent

Plasticized (soft) PVC granulates, dyed and transparent,
offered in a broad range of hardness from 55 ShA

DRY-BLENDS BASED ON FOAMED PVC

Application: production of finishing profiles

ECO-CLEANER®

Highly stable granulate for cleaning and stopping
extruders

Designation	Testing method	Unit	Value
Thermal stability at 200°C	PN-C-89265-4 : 1998	min	64± 2



PVC granulates and dry-blends

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