



**INOUTIC / GERMAN PROFILES
INGENEERING CREATIVITY**

Inoutic / Thyssen Polymer GmbH · P.O. Box 11 64 · D-94322 Bogen

To whom it may concern

Your reference	Date	E-mail	Telephone	Fax
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Dear Sir or Madam,

We herewith confirm that Inoutic / Deceuninck, white PVC window profiles are made from a formulation which is compounded according to DIN 7748 part 1 with the following specification.

PVC-U-E-D-P-L-082-35-28

MATERIAL

The PVC Window profiles are made of highly impact resistant PVC-U.

With our 30 years experience in extrusion and the requirements of the quality and test specifications, the optimal material composition has been developed and tested during long-term experiments.

With regard to impact strength, thermal stability and weather resistance as well as weld ability, full use is made of the present technical „know how“.

Properties of material

The quality and test specification for plastic windows require as a minimum, in the characteristic material properties, at least one PVC moulding batch in accordance with DIN 16 830, Part 2, July 1991, of type:

PVC-U-E-D-P-L-076-25-23 (powder) or
PVC-U-E-G-P-L-076-25-23 (granulate)

Properties of the moulding batch for THYSSEN POLYMER plastic window profiles:

PVC-U-E-D-P-L-082-35-28

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Version: 06-09-28 H. Zimmermann Ausland-Kunden BRIEF confirmation pvc profiles.doc

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Explanation of symbols:

Symbol	PVC	U	E	D	P	L	082	35	28
Meaning	Moulding Batch	Unplasticised	Extrusion	Powder	Impact strength module	light & weather stability	Vicat softening temp.	Notch impact strength	E-module

Further material data:

Characteristic features	Testing method	Unit	Value
Bulk Density	DIN 53479 floating test	g/cm ³	1.4
Impact strength	DIN 53453 at 233 K		No rupture
Shock resistance in the cold	Quality guide line 10 Nm, 263 K	Rupture rat%	≤ 5
Dimensional change after heat test	Quality guide line 1 h at 373 K	%	≤ 1.8
Weather fastness	DIN 53387/DIN 54001	Gray scale	Fastness grade 3 - 4
Coefficient of thermal expansion	between 293 and 323 K	K ⁻¹	8 x 10 ⁻⁵
Short term welding factor	Quality guideline	Welding factor	≤ 0.9

We explicitly confirm that the Vicat softening temperature of our PVC formulation is up to 82°C.

Best regards

ppa. Christian Fischer
-R&D, Product Management-

i. A. Ines Zimmermann
- Assistant -

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