

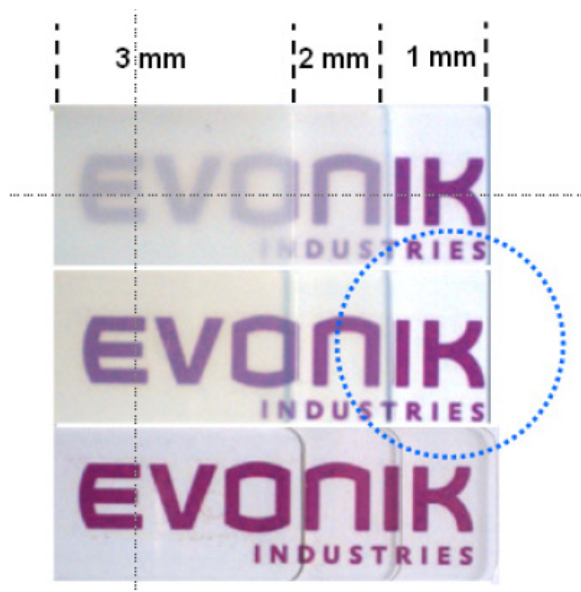
VESTAMID® *Select*

With the development of VESTAMID® *Select*, Evonik has a new member of its VESTAMID® family: a highly translucent polyamide with a low content of non-soluble extractable constituents.

In spite of its semicrystalline nature, VESTAMID® *Select* is highly translucent. In parts with thin layers or wall thickness below 1 mm, it is almost transparent. Thus it can be the base material for applications where the translucency is sufficient and the chemical stability and excellent processing properties of a polyamide are required.

VESTAMID® *Select* and compounds based on it have a low content of non-soluble extractable constituents (monomers and oligomers). This makes it an interesting base material for mono-layer pipes or inner layers of multilayer pipes for carrying fuel or methanol (e.g., in cars and to transport oil) and also for injection-molded parts that come in contact with solvents (e.g., fuel filters in vehicles).

In addition, parts made from VESTAMID® *Select* can withstand hot steam sterilization. The general properties are comparable with those of PA 612 (VESTAMID® D-Series).



VESTAMID® L – Polyamide 12

VESTAMID® *Select*

TROGAMID® CX – transparent polyamide

For guidance on processing VESTAMID® *Select* please follow the general recommendations in our brochure “Handling and Processing of VESTAMID®”.

VESTAMID® *Select* is supplied as cylindrical granules, ready for processing, in moisture-proof bags.

Important properties of VESTAMID® *Select*

Property	Test method	Unit	medium viscosity	high viscosity	
Solution viscosity (rel.)			1.9	> 2.1	
Melting temperature	ISO 11357	°C	198	198	
Glas transition temperature		°C	37	37	
Water absorption at RT	Evonik	%	2.5	2.5	
VICAT softening temperature Method B 50 N	ISO 306	°C	175	175	
Tensile test	ISO 527				
Stress at yield		MPa	54	54	
Strain at yield		%	4	4	
Strain at break		%	> 100	> 100	
Tensile modulus	ISO 527	MPa	1900	1900	
CHARPY impact strength	23 °C -40 °C	ISO 179/1eU	kJ/m ² kJ/m ²	N N	N N
CHARPY notched impact strength	23 °C -40 °C	ISO 179/1eA	kJ/m ² kJ/m ²	6 C 8 C	7 C 10 C

N = no break

® = registered trademark

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