VESTAMID®

Technical Information

VESTAMID® CW1412 nc

Medium-viscosity, heat-stabilized, UV-stabilized, polyamide 12 compound

VESTAMID® CW1412 nc is a heat-stabilized, UV-stabilized polyamide 12 compound with good process-ability for cable co-extrusion application.

The low melting point of VESTAMID® CW1412 nc enables especially the extrusion parts with a wide processing window.

Properties of compounds based on polyamide 12 very little with changing humidity due to their very low moisture absorption.

Parts made of the semi-crystalline polyamide VESTAMID® CW1412 nc are characterized by excellent dimensional stability, constantly high impact strength, low coefficient of friction and good chemical resistance at changing ambient humidity.

VESTAMID® CW1412 nc is supplied as cylindrical granules, ready for processing, in moisture-proof bags.

For information about processing of VESTAMID® CW1412 nc please, follow the general recommendation in our brochure “Handling and Processing of VESTAMID®”.

For further information please contact us at evonik-hp@evonik.com.

Properties of VESTAMID® CW1412 nc

Properties	Test method	Unit	Value
Tensile test	ISO 527-1		
Stress at yield	ISO 527-2	MPa	45
Stress at break		MPa	55
Strain at yield		%	5
Strain at break		%	>50
Tensile modulus	ISO 527-1 ISO 527-2	MPa	1500
CHARPY notched impact strength	ISO 179/1eA		
23°C		kJ/m²	4C
Melting range	ISO 11357		
DSC 2nd heating		°C	approx. 178

Pigmentation may affect values.

1) C = Completely break

The results shown have been generated from a low number of production lots. Therefore, they are preliminary and not yet the result of a statistical evaluation. Therefore they must not be used to establish specifications.

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