

VESTAMID[®] X7229

High viscosity, containing plasticizer, self-extinguishing PA 12 molding compound, free of halogen and phosphorous

VESTAMID X7229 is a heat stabilized and plasticized grade and contains a non-migrating flame retardant, free of halogen and phosphorous. VESTAMID X7229 is in compliance with the requirements of FAR 25.853 or ABD 0031.

The absence of halogens and phosphorous makes VESTAMID X7229 especially suitable for interior parts in aircrafts, railways and ships. This resin can be used for extrusion as well as for injection molding.

For the guidance processing of VESTAMID X7229 please follow the general recommendations for polyamide 12 in our brochure „Handling and Processing of VESTAMID“. Due to the presence of flame retardant melt temperature should not exceed 260 °C. We recommend melt temperatures 210 - 230 °C.

VESTAMID X7229 is supplied as cylindrical granules, ready for use in moisture-proof packaging of 20 kgs net content.

Further information can be obtained from the Technical Marketing of the High Performance Polymers Business Unit.

Property	Test method			Unit	VESTAMID X7229
		international	national		
Density	23 °C	ISO 1183	DIN EN ISO 1183	g/cm ³	1.06
Tensile test		ISO 527-1	DIN EN ISO 527-1		
Stress at yield		ISO 527-2	DIN EN ISO 527-2	MPa	36
Strain at yield				%	16
Strain at break				%	>50
Tensile modulus		ISO 527-1 ISO 527-2	DIN EN ISO 527-1 DIN EN ISO 527-2	MPa	880
CHARPY impact strength	23 °C	ISO 179/1eU	DIN EN ISO 179/1eU	kJ/m ²	N ¹⁾
	-30 °C			kJ/m ²	N ¹⁾
CHARPY notched impact strength	23 °C	ISO 179/1eA	DIN EN ISO 179/1eA	kJ/m ²	9 C ¹⁾
	-30 °C			kJ/m ²	5 C ¹⁾
Flammability acc. UL94	0.8 mm	IEC 60695	UL94		V-2
	1.6 mm				V-2
	3.2 mm				V-2
Oxygen index		ISO 4589	ASTM D 2863	%	34

The data of this table are representative values, but must not be used to establish specifications.

¹⁾ N = no break

C = complete break, incl. hinge break H

® = registered trademark

This information is based on our present knowledge and experience. However, it implies no liabilities or other legal responsibility on our part, including with regard to existing third party patent rights. In particular, no guarantee of properties in the legal sense is implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Reference to trade names used by other companies is neither a recommendation, nor is it intended to suggest that similar products could not be used. All our business transactions shall be exclusively governed by our General Sales Conditions.

Degussa AG
High Performance Polymers
45764 Marl
GERMANY
Fax: +49 2365 49-5992
E-mail: degussa-hpp@degussa.com