

Product Texts

Heat-stabilized, glass fiber-reinforced, PA 612 compound for plastic-EPDM-rubber bonds

VESTAMID® DX9325 BK E70352 is a glass fiber-reinforced, PA 612 molding compound. The material contains about 40% glass fiber, an ageing protective agent and processing aid for a fast and even form filling. VESTAMID® DX9325 BK E70352 is especially suitable for the production of plastic and rubber composites.

Parts of VESTAMID® DX9325 BK E70352 can be co-vulcanized with EPDM-rubbers without using any adhesives or adhesion promoters ("direct-bonding to rubber"). Because of its semi-crystalline morphology VESTAMID® DX9325 BK E70352 provides an excellent chemical resistance, e. g., against greases, oils, fuels and hydraulic fluids.

VESTAMID® DX9325 BK E70352 is supplied as cylindrical pellets ready for processing in moisture-proof bags.

Very important are predrying conditions. The material has to be handle as plasticized PA 612. The drying temperature should be not more than 80°C and the drying time at this temperature not more than 4h.

Pigmentation may affect values.

Inside the original and undamaged packaging, the product has a shelf life of at least 2 years when stored in dry rooms at temperatures not exceeding 30°C.

For information about processing of VESTAMID®, please follow the general commendations about "[Processing of VESTAMID® compounds](#)".

The values presented are typical or average values, they do not constitute a specification.

FOR FURTHER INFORMATION PLEASE CONTACT US AT EVONIK-HP@EVONIK.COM
OR VISIT OUR PRODUCT AT WWW.VESTAMID.COM

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10300 / -	MPa	ISO 527
^[C] Stress at break	160 / -	MPa	ISO 527
^[C] Strain at break	4.4 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Type of failure	C / -	-	-
^[C] Charpy impact strength, -30°C	104 / -	kJ/m ²	ISO 179/1eU
^[C] Type of failure	C / -	-	-
^[C] Charpy notched impact strength, +23°C	18 / -	kJ/m ²	ISO 179/1eA
^[C] Type of failure	C / -	-	-
^[C] Charpy notched impact strength, -30°C	16 / -	kJ/m ²	ISO 179/1eA
^[C] Type of failure	C / -	-	-

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	200 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1410 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Features

Good Adhesion

Delivery form

Pellets, Black

Chemical Resistance

General Chemical Resistance, Grease Resistance, Oil Resistance

Additives

Release agent

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

Light stabilized or stable to light, Heat stabilized or stable to heat