

Description

Polyamide 66, reinforced with 38% of glass fiber & mineral filler, for injection molding.

Applications

TECHNYL® 2412GM05-D is used in all sectors of industry, offering good mechanical strength, low warpage, good surface aspect & heat resistance.

This grade is widely used for

- Automotive parts: Fan & shroud, Engine cover, Timing belt cover

This product is available in black color and in colors on request.

Processing

The material is supplied in airtight bags, ready for use. In the case that the virgin material has absorbed moisture, it must be dried to a final moisture content less than 0.2% with a dehumidified air drying equipment at 80~100°C

Recommended moulding conditions :

-Barrel temperatures :	- feed zone	270-275°C
	- compression zone	275-285°C
	- front zone	285-295°C

-Mould temperatures	80-100°C
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For more detailed information, please refer to the technical sheet " Injection moulding ".

Safety

Please consult the Safety Data Sheet for TECHNYL® 2412GM05-D.



Chemistry is our world, Responsibility is our way

RHODIA POLYAMIDE Co., LTD.

3rd F/L, Kangnam Bldg., 1321-1, Seocho-Dong, Seocho-Gu, Seoul, 131-070 KOREA T: +82 2 21 86 25 00 F: +82 2 34 74 73 63

TECHNYL® 2412GM05-D

* This vaules of properties for black color grade

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Moisture absorption 24h at 23°C	ASTM D792	-	-	-
Specific Gravity	ASTM D792	-	1.45	-
Mould Shrinkage (Parallel)	RHODIA-EP	%	0.3~0.6	-
Mould Shrinkage (Perpendicular)	RHODIA-EP	%	0.5~0.8	-
Mechanical				
Tensile stress at yield	ASTM -638	MPa	125	-
Tensile strain at break	ASTM D638	%	2	-
Flexural strength	ASTM D790	MPa	190	-
Flexural Modulus	ASTM D790	MPa	9100	-
Izod notched impact strength	ASTM D256	J/m	60	-
Flamability				
Flammability (0.8~3.2mm)	UL 94	-	HB	-
Thermal				
Melt Temperature	ISO 11357	°C	262	-
Heat Deflection Temperature, 1.8 MPa	ASTM D648	°C	220	-
Electrical				
Dissipation factor	IEC 60250		-	-
Volume resistivity	IEC 60093	Ohm.cm	-	-
Surface resistivity	IEC 60093	E14.Ohm	-	-
Dielectric strength	IEC 60243	KV/mm	-	-
Comparative tracking index sol. A	ISC 60112	Volt	-	-
Special				

Identification code: >PA66-(GF+MF)38<

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ANY WARRANTY OF PRODUCT PERFORMANCE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED.

Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document, and Rhodia is at their disposal to supply any additional information.

* d.a.m = Dry As Moulded.

** Cond. = conditioned according ISO 1110.



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