

TECHNICAL DATA SHEET

TECHNYL C 216 S25 V25 NC

DOMAMID 6LVGB5025 NC

Polyamide 6, 50% glass fiber and glass beads, improved flowability, for injection moulding, natural color

General

Polymer type	PA6		
Certifications	RoHS	EC 1907/2006 (REACH)	
Feature	impact modified	not heat stabilized	
Applications	automotive applications	consumer applications	
Colors available	natural		
Processing technology	injection moulding		

Product identification

ISO 1043 abbreviation	PA6-(GF+GB)50
ISO 16396 designation	PA6-I,(GF+GB)50,M,S14-110

Condition	Standard	Unit	Value
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Physical properties

Density		ISO 1183	g/cm ³	1.55
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	Condition	Standard	Unit	Value
Mechanical properties				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	11000 / -
Stress at break		ISO 527-1/-2	MPa	150 / -
Strain at break		ISO 527-1/-2	%	2.5 / -
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	10000 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	230 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	57 / -
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	11 / -

*: **conditioned according to ISO 1110**

	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221

	Condition	Standard	Unit	Value
Burning behaviour				
Burning rate, FMVSS, Thickness 1 mm		FMVSS 302		< 100 mm/min

	Condition	Standard	Unit	Value
Electrical properties				
Volume resistivity		IEC 62631-3-1	ohm.m	1.0E15
Surface resistivity		IEC 62631-3-1	ohm	1.0E14

Processing conditions	
Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30°C)
Recommended melt temperature	250 - 290 °C
Recommended mould temperature	80 - 100 °C

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Injection notes

The material is supplied in airtight bags, ready for use.,In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point minimum -20°C.,Recommended time 2-4h.