

TECHNYL® 2412GM05-D BLACK

Polyamide 66
Solvay Engineering Plastics

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

General Information			
Filler / Reinforcement	Glass\Mineral,38% Filler by Weight		
Features	Good Strength		
	Good Surface Finish		
	High Heat Resistance		
	Low Warpage		
Uses	Automotive Applications		
Appearance	Black		
	Colors Available		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-(GF+MF)38<		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.50 to 0.80	%	
Flow	0.30 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	125	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	9100	MPa	ASTM D790
Flexural Strength	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	220	°C	ASTM D648
Melting Temperature	262	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (0.800 to 3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Suggested Max Moisture	0.20	%	

Rear Temperature	270 to 275	°C
Middle Temperature	275 to 285	°C
Front Temperature	285 to 295	°C
Mold Temperature	80.0 to 100	°C

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Recommended distributors for this material

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