

EMLON® 6 GBR 20 FR V0

Polyamide 6

EMAS Plastik San.Tic.AS.

Message:

Polyamide 6, %20 glass beads reinforced, V0 flammability

General Information			
Filler / Reinforcement	Glass Bead		
Recycled Content	Yes		
Physical	Nominal Value	Unit	Test Method
Density	1.38 to 1.45	g/cm ³	ISO 1183
Molding Shrinkage	0.25 to 0.45	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70 to 80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000 to 5000	MPa	ISO 527-2
Tensile Stress (Yield)	45.0 to 70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 9.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B
Melting Temperature (DSC)	220	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	VDE 0471/2

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Recommended distributors for this material

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