

# NYLEM® 6 GFR 15 IM

Polyamide 6

EMAS Plastik San.Tic.AS.

## Message:

Polyamide 6, %15 glass fiber reinforced, impact modified

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Density	1.18 to 1.20	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.50 to 0.75	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	75 to 80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000 to 6000	MPa	ISO 527-2
Tensile Stress (Yield)	40.0 to 70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 15	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Vicat Softening Temperature	215	°C	ISO 306/B
Melting Temperature (DSC)	220	°C	ISO 3146

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## Recommended distributors for this material

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