

NYLEM® 6 GXR 40 IM

Polyamide 6

EMAS Plastik San.Tic.AS.

Message:

Polyamide 6, %40 glass fiber/beads reinforced, impact modified

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber		
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Density	1.36 to 1.40	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.35	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80 to 85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000 to 12000	MPa	ISO 527-2
Tensile Stress (Yield)	100 to 140	MPa	ISO 527-2
Tensile Strain (Break)	> 6.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 15	kJ/m ²	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	220	°C	ISO 306/B
Melting Temperature (DSC)	220	°C	ISO 3146

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