Nymax[™] NM 6600-44GF0001 White

Polyamide 66

PolyOne Corporation

Message:

Nymax®GMF 1200 series compound materials are composed of nylon 6/6 resin and glass fiber or mineral reinforced materials, which have ideal physical properties and component properties. These materials are easy to process in standard thermoplastic processing equipment. These materials are dedicated to processing in standard thermoplastic processing equipment.

Filler / Reinforcement Glass fiber reinforced material, 44% filler by weight Uses Industrial application Architectural application field Consumer goods application field Consumer goods application field Consumer goods application field Appearance White Forms Particle Physical Nominal Value Unit Test Method Specific Gravity 1.58 Molding Shrinkage - Flow 0.30 Nominal Value Unit Tensile Strength 1 Test Method Yield 164 MPa Fracture 164 MPa Fracture 2.4 % Flexural Modulus 3 11900 MPa Flexural Strength 4 (Yield) 286 MPa	
Architectural application field Consumer goods application fieldAppearanceWhiteFormsParticleProcessing MethodInjection moldingPhysicalNominal ValueUnitSpecific Gravity1.58G/cm³Molding Shrinkage - Flow0.30%1Moninal ValueUnitTest MethodMechanicalNominal ValueUnitTensile Strength 1164MPaYield164MPaFracture164MPaFracture164MPaFensile Elongation 2 ⁶ (Break)2.4%1I 1900MPaASTM D638	
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Flexural Modulus 311900MPaASTM D790	
Flexural Strength 4 (Yield)286MPaASTM D790	
Impact Nominal Value Unit Test Method	
Notched Izod Impact 5 (3.18 mm, InjectionJ/mASTM D256AMolded)130J/mASTM D256A	
Additional Information	
Molded Test Bars: Dry as Molded	
Injection Nominal Value Unit	
Drying Temperature 82.2 °C	
Drying Time 4.0 hr	
Mold Temperature 48.9 - 93.3 °C	
NOTE	
1. Type 1, 5.1 mm/min	
2. Type 1, 5.1 mm/min	
3. 13 mm/min	
4. 13 mm/min	

3.6mm notch depth

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

