LUVOTECH® MR 2007/BL

LEHVOSS Group - *Polyamide 6*

General Information

Product Description

with mineral filler; blue

Main Features

- Isotropic shrinkage characteristics.
- Low warpage.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral		
Features	• Low Warpage		
Appearance	• Blue		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.17E+6	psi	ISO 527-1/1
Tensile Stress	13600	psi	ISO 527-2
Tensile Strain (Yield)	3.2	%	ISO 527-2/50
Flexural Modulus [2]	1.03E+6	psi	ISO 178
Flexural Stress [3]	21600	psi	ISO 178
Flexural Strain - (Yield) [4]	4.1	%	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength	17	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature [5]	248	°F	IEC 60216
Vicat Softening Temperature	401	°F	ISO 306/A
Service Temperature - during lifetime max. 200 hr	320	°F	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature		
Desiccant Dryer, A	167	°F
Desiccant Dryer, B	221	°F
Drying Time		
Desiccant Dryer, A	10 to 16	hr
Desiccant Dryer, B	4.0 to 6.0	hr
Rear Temperature	482 to 518	°F
Middle Temperature	518 to 554	°F
Front Temperature	536 to 572	°F
Nozzle Temperature	518 to 536	°F
Processing (Melt) Temp	518	°F
Mold Temperature	158 to 230	°F

Injection Notes

During processing, the moisture level should not exceed 0.01%, otherwise molecular degradation may occur. As the material absorbs water very quickly, the predried material should be fed to the processing immediately. The processing notes provided

merely represent a recommendation for general use. Due to the large variety of machines, geometries and volumes of parts, etc., it may be necessary to employ different settings according to the specific application. Please contact us for further information.

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 0.079 in/min

[3] 0.39 in/min

[4] 10 mm/min

[5] 20,000 hr