

# Chemlon® E-66 GF50

50% 玻璃纤维增强材料  
聚酰胺66  
Chem Polymer公司

供应商联系方式

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## 产品说明

Chemlon® E-66 GF50 is an economy range 50% glass fibre reinforced Nylon 66 compound.  
It is available in natural or black versions.

基本信息			
填料/增强材料	玻璃纤维增强材料,50% 填料按重量		
外观	黑色	自然色	
加工方法	注射成型		
物理性能	额定值	单位制	测试方法
密度	1.57	g/cm³	ISO 1183
收缩率 <sup>1</sup>	0.30 到 0.70	%	内部方法
吸水率 (平衡, 23°C, 50% RH)	1.3	%	ISO 62
机械性能	额定值	单位制	测试方法
拉伸模量	15000	MPa	ISO 527-2
拉伸应力 (断裂)	220	MPa	ISO 527-2
拉伸应变 (断裂)	3.0	%	ISO 527-2
弯曲模量	14000	MPa	ISO 178
弯曲应力 <sup>2</sup>	300	MPa	ISO 178
冲击性能	额定值	单位制	测试方法
悬壁梁缺口冲击强度	11	kJ/m²	ISO 180
热性能	额定值	单位制	测试方法
热变形温度			
0.45 MPa, 未退火	> 250	°C	ISO 75-2/B
1.8 MPa, 未退火	> 240	°C	ISO 75-2/A
注射	额定值	单位制	
干燥温度	80.0	°C	
干燥时间	2.0	hr	
料筒后部温度	280 到 300	°C	
料筒中部温度	280 到 300	°C	
料筒前部温度	280 到 300	°C	
加工(熔体)温度	< 300	°C	
模具温度	80.0 到 90.0	°C	
注射速度	快速		
螺杆转速	50 到 200	rpm	
注射说明			

Back pressure: LowInjection pressure: HighThe material is supplied dry and ready to mould in sealed, moisture proof sacks. No drying is necessary unless the material has been exposed to air for longer than three hours. The appearance of splash marks on the surface of mouldings indicates excessive moisture is present. Should drying become necessary, two hours at 80°C in a dehumidifying drier is recommended. The use of air circulating driers is not generally recommended, as longer drying times are often required, with greater potential for product oxidation and yellowing. Drying temperatures should not exceed 80°C.

备注

1.	Mould shrinkage is significantly influenced by many factors including wall thickness, gating, component shape and moulding conditions.The range values stated were determined from specimen bar mouldings of 1.5mm to 4mm wall thickness. They are provided as a guide for comparison purposes only and no guarantee should be inferred from their inclusion. (Specimens measured in the dry state, 24 hours after moulding).
2.	At Break