

# Chemlon® ALF20

Polyamide 66

Teknor Apex Company (Chem Polymer)

## Message:

ALF20 is a self-lubricating grade of nylon 66 containing both PTFE and Silicone. It offers outstanding surface wear characteristics of moulded parts. It is intended for use in applications such as bearings and mechanical parts.

General Information			
Additive	PTFE silicone lubricant		
Features	Low friction coefficient		
	Good wear resistance		
	Lubrication		
	Self-lubricating		
Uses	Machine/mechanical parts		
	Bearing		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Wear Factor	24	10 <sup>-8</sup> mm <sup>3</sup> /N · m	Internal method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.0	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	> 200	°C	ISO 75-2/B
1.8 MPa, not annealed	95.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	270 - 290	°C	
Middle Temperature	270 - 290	°C	
Front Temperature	270 - 290	°C	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Fast		

Back Pressure	Low
Screw Speed	Moderate
Injection instructions	

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.

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#### Recommended distributors for this material

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