

Chemlon® 214 G

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 214 G is a Polyamide 6 (Nylon 6) material filled with 14% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 214 G: Flame Rated.

General Information			
UL YellowCard	E90654-252567		
Filler / Reinforcement	Glass Fiber, 14% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	114	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	3.0	%	
Flexural Modulus	4310	MPa	ASTM D790
Flexural Strength	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	188	°C	
Melting Temperature	216	°C	DSC
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
RTI Elec			UL 746
0.810 mm	105	°C	
1.50 mm	105	°C	
3.00 mm	105	°C	
RTI Imp			UL 746
0.810 mm	75.0	°C	
1.50 mm	75.0	°C	
3.00 mm	75.0	°C	
RTI Str			UL 746
0.810 mm	105	°C	

1.50 mm	105	°C	
3.00 mm	105	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (3.00 mm)	11	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	22	%	ASTM D2863
FMVSS Flammability	PASSES		FMVSS 302
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	218 to 235	°C	
Middle Temperature	241 to 257	°C	
Front Temperature	246 to 268	°C	
Nozzle Temperature	246 to 268	°C	
Processing (Melt) Temp	249 to 266	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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



WECHAT