

Chemlon® 217 GIU

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Filler / Reinforcement: Glass Fiber / Fully toughened

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow ¹	0.25 to 0.45	%	ASTM D955
Water Absorption (24 hr)	0.85	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.5	%	
Break	5.5	%	
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	121	MPa	ASTM D790
Poisson's Ratio	0.44		ASTM C1259
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	140	J/m	
23°C	210	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	174	°C	
1.8 MPa, Unannealed	157	°C	
Melting Temperature	216	°C	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating ² (0.810 mm)	HB		UL 94
Oxygen Index	22	%	ASTM D2863

Injection	Nominal Value	Unit
Drying Temperature	79.4	°C
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	241 to 257	°C
Middle Temperature	252 to 268	°C
Front Temperature	257 to 279	°C
Nozzle Temperature	257 to 279	°C
Processing (Melt) Temp	254 to 277	°C

NOTE

1. Dependent upon molding conditions particularly Mold temperature.
2. Chem Polymer measurement according to UL.

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

