

Chemlon® 345 G

Polyamide 610

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 345 G is a Polyamide 610 (Nylon 610) material filled with glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 345 G: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.17	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	183	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	259	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	216	°C	ASTM D648
Melting Temperature	223	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	235 to 252	°C	
Middle Temperature	246 to 268	°C	
Front Temperature	257 to 274	°C	
Nozzle Temperature	252 to 279	°C	
Processing (Melt) Temp	252 to 277	°C	

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Recommended distributors for this material

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