

# Chemlon® 206 G

Teknor Apex Company (Chem Polymer) - Polyamide 6

Thursday, December 22, 2016

## General Information

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 6.0% Filler by Weight
Forms	• Pellets
Processing Method	• Injection Molding

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	93.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	179	°C	ASTM D648
Melting Temperature	216	°C	DSC
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+18	ohms·cm	ASTM D257
Dielectric Strength (3.00 mm)	11	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	HB		UL 94
Oxygen Index	24	%	ASTM D2863
FMVSS Flammability	PASSES		FMVSS 302

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	79	°C
Suggested Max Moisture	0.20	%
Suggested Max Re grind	25	%
Rear Temperature	218 to 235	°C
Middle Temperature	252 to 257	°C
Front Temperature	252 to 266	°C
Nozzle Temperature	252 to 266	°C
Processing (Melt) Temp	249 to 266	°C

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

Revision Date: 4/28/2010

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## Teknor Apex Company (Chem Polymer) - Polyamide 6

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