

# Chemlon® 113 GH

Teknor Apex Company (Chem Polymer) - Polyamide 66

Tuesday, December 19, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Creep Resistant	• Good Stiffness	• High Strength
	• Good Dimensional Stability	• Heat Stabilized	
Automotive Specifications	<ul style="list-style-type: none"> <li>• CHRYSLER MS-DB-41 CPN2239 Color: BK001 Black</li> <li>• CHRYSLER MS-DB-41 CPN3794 Color: Non-matched Color</li> <li>• CHRYSLER MS-DB-41 CPN4061 Color: 100% Color Match</li> </ul>	<ul style="list-style-type: none"> <li>• FORD ESA-M4D349-A</li> <li>• GM GMP.PA66.020 Color: Black</li> <li>• GM GMP.PA66.020 Color: Natural</li> </ul>	<ul style="list-style-type: none"> <li>• GM GMW3038P-PA66-GF15H Color: Black</li> </ul>
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	114	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4650	MPa	ASTM D790
Flexural Strength	169	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 1.8 MPa, Unannealed	215	°C	ASTM D648
Melting Temperature	257	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (3.00 mm)	18	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	25	%	ASTM D2863

Revision Date: 12/11/2008

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### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	79	°C
Suggested Max Moisture	0.20	%
Suggested Max Re grind	25	%
Rear Temperature	241 to 257	°C
Middle Temperature	257 to 271	°C
Front Temperature	263 to 279	°C
Nozzle Temperature	263 to 282	°C
Processing (Melt) Temp	263 to 282	°C

### Notes

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

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