+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

Chemlon® 904-15 GVNH BK801

Teknor Apex Company - Polyamide 66

General Information

Product Description

Chemlon® 904-15 GVNH is a halogen free flame retardant, 15% glass fiber reinforced polyamide 66 (PA 66) designed for injection molding. This material has low halogen content and is available globally.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant	• Heat Stabilizer	
Features	• Flame Retardant	• Low Halogen Content	
RoHS Compliance	• Contact Manufacturer		
Automotive Specifications	• GM GMW16864P-PA-GF15H [1]		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [2]

Physical	Dry	Conditioned	Unit	Test Method
Density	1.30	--	g/cm³	ISO 1183
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	1.13E+6	771000	psi	ISO 527-2
Tensile Stress	16000	11400	psi	ISO 527-2
Tensile Strain (Break)	3.2	3.8	%	ISO 527-2
Flexural Modulus	769000	664000	psi	ISO 178
Flexural Stress	21800	16500	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
73°F	1.9	3.1	ft·lb/in²	
Charpy Unnotched Impact Strength	21	22	ft·lb/in²	ISO 179
Notched Izod Impact Strength				ISO 180
73°F	2.5	3.3	ft·lb/in²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/B
66 psi, Unannealed	491	--	°F	
Deflection Temperature Under Load				ISO 75-2/A
264 psi, Unannealed	455	--	°F	
Melting Temperature	500	--	°F	ISO 11357
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Flame Rating (0.031 in)	V-0	--		UL 94

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Chemlon® 904-15 GVNH BK801

Teknor Apex Company - Polyamide 66

Processing Information		
Injection	**Dry**	**Unit**
Drying Temperature	176	°F
Suggested Max Moisture	0.17	%
Processing (Melt) Temp	509 to 559	°F
Mold Temperature	171 to 190	°F

Injection Notes

Maximum peak injection pressure should not exceed 80% of the machine's maximum pressure capability. Start with a holding pressure that is half the peak injection pressure. Perform a rheology curve in order to determine appropriate injection rate.

Notes

[1] Automotive site approvals apply for US manufactured compound only

[2] Typical properties: these are not to be construed as specifications.