



Chemlon® 204-13 GVNH BK091

Teknor Apex Company (Chem Polymer) - Polyamide 6

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Features	• Flame Retardant • Low Halogen Content
Automotive Specifications	• GM GMW16801 ¹ • GM GMW16801P-PA6-GF15-T1 ¹
Appearance	• Black
Forms	• Pellets

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density ³	1.31	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.35	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	841000	psi	ISO 527
Tensile Stress	12300	psi	ISO 527
Tensile Strain (Break)	3.0	%	ISO 527
Flexural Modulus	827000	psi	ISO 178/A
Flexural Stress	18900	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	1.3	ft-lb/in ²	
73°F	1.4	ft-lb/in ²	
Notched Izod Impact Strength (73°F)	1.7	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	365	°F	ISO 75-2/A
Melting Temperature (DSC)	428	°F	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in, BLACK)	V-0		UL 94

Notes

¹ Automotive site approvals apply for US manufactured compound only

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

³ Method A