



Chemlon® 204-13 GVNH BK083

Teknor Apex Company (Chem Polymer) - Polyamide 6

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32		ASTM D792
Density ²	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Chord ³	972000	psi	ISO 527-2
Tensile Stress ⁴ (Break)	11900	psi	ISO 527-2
Flexural Modulus ⁵ (2.52 in Span)	979000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.4	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁶ (264 psi, Unannealed)	360	°F	ISO 75-2
Melting Temperature (DSC)	428	°F	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in, BLACK)	V-0		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

² Method A

³ Type 1A, 0.039 in/min

⁴ Type 1A, 0.20 in/min

⁵ 0.079 in/min

⁶ Flatwise