



Chemlon® 233 GU

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• UV Stabilizer
Features	• Good Dimensional Stability • Good Impact Resistance • High Tensile Strength
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	23900	psi	ISO 527
Tensile Strain (Break)	2.0	%	ISO 527
Flexural Modulus	1.15E+6	psi	ISO 178/A
Flexural Stress	33100	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	> 4.0	ft·lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	410	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	410	°F	ISO 75-2/A
Melting Temperature	428	°F	

Notes

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