



Chemlon® 143 GU

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 43% Filler by Weight		
Additive	• UV Stabilizer		
Features	• High Rigidity	• High Tensile Strength	• UV Resistant
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.50		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	28000	psi	ASTM D638
Tensile Elongation (Break, 73°F)	2.5	%	ASTM D638
Flexural Modulus (73°F)	1.50E+6	psi	ASTM D790
Flexural Strength (73°F)	38000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	480	°F	ASTM D648
Melting Temperature	490	°F	

Notes

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