



Chemlon® 412

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Lubricant		
Features	• General Purpose	• Good Mold Release	• Lubricated
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	10500	psi	ASTM D638
Tensile Elongation (Break, 73°F)	15	%	ASTM D638
Flexural Modulus (73°F)	390000	psi	ASTM D790
Flexural Strength (73°F)	16000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	150	°F	
Melting Temperature	470	°F	

Notes

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