



Chemlon® 890 H

Teknor Apex Company - Polyamide 6/12 Copolymer

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Automotive Specifications	• GM GMP.PA612.003 ¹	• STELLANTIS MS-DB-41 ¹	
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage	1.1 to 1.4	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.27	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8990	psi	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	305000	psi	ISO 178/A
Flexural Stress	8560	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	2.1	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	135	°F	
Melting Temperature	424	°F	ISO 11357

Notes

¹ Automotive site approvals apply for US manufactured compound only

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