

# Chemlon® 543 G

Polyamide 66

Teknor Apex Company (Chem Polymer)

## Message:

Chemlon® 543 G is a Polyamide 66 (Nylon 66) material filled with 43% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 543 G are:

Good Aesthetics

High Strength

Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	Good Impact Resistance		
	High Tensile Strength		
	Pleasing Surface Appearance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	152	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus (23°C)	8620	MPa	ASTM D790
Flexural Strength (23°C)	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	249	°C	ASTM D648
Melting Temperature	254	°C	

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## Recommended distributors for this material

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