

# Nylene® 9543

Polyamide 612

Custom Resins Group

Message:

43% glass fiber reinforced heat stabilized nylon 6/12

Good chemical properties and reduced moisture absorption of nylon 6/12 resins while adding glass reinforcement to increase strength and stiffness

Suitable in applications where typical nylon 6 or 6/6 may be unsuitable due to moisture absorption or specific chemical requirements

On Special Order only.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Stiffness		
	Good Strength		
	Low Moisture Absorption		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	165	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	8480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Peak Melting Temperature	224	°C	ASTM D3418

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT