

# Nylene® 4214-15 HS

Polyamide 6

Custom Resins Group

Message:

15% glass fiber reinforced, impact modified, heat stabilized nylon 6

Improved strength and stiffness over unreinforced nylons, and improved impact resistance over typical reinforced grades, especially in dry conditions

Suitable for handles, levers, support brackets, and other applications which require this unique blend of properties

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Impact Resistance		
	Good Stiffness		
	Heat Stabilized		
	Impact Modified		
Uses	Handles		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	70.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	2900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	250	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°C	ASTM D648
Peak Melting Temperature	215	°C	ASTM D3418

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