

Nylene® 405 HS

Polyamide 6

Custom Resins Group

Message:

Medium viscosity nylon 6 with lubrication and heat stabilization

Made for Injection molding applications requiring good physical properties including toughness and rapid cycle times

Optimum processing conditions could provide a melt temperature of 460°F-500°F at the nozzle

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Fast Molding Cycle		
	Good Toughness		
	Heat Stabilized		
	Lubricated		
	Medium Viscosity		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Moisture Content	< 0.20	%	ASTM D6869
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	75.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Injection	Nominal Value	Unit	
Processing (Melt) Temp	238 to 260	°C	

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