

Nylene® 453

Polyamide 6
Custom Resins Group

Message:

UV-stabilized, high viscosity nylon resistant to degradation by ultraviolet light
The elevated quality of UV resistance provided by 453 is attributed to highly uniform dispersion of 2% carbon black
With cylinder temperatures of 525°F-550°F and mold temperatures of 140°F-60°F, Nylene 453 can be molded into parts having a uniform, glossy appearance. (Available in black only)

General Information			
Additive	Carbon Black (2%)		
Features	Good UV Resistance		
	High Viscosity		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	75.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	191	°C	
1.8 MPa, Unannealed	71.1	°C	
Injection	Nominal Value	Unit	
Rear Temperature	274 to 288	°C	
Middle Temperature	274 to 288	°C	
Front Temperature	274 to 288	°C	
Mold Temperature	60.0 to 71.1	°C	

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Recommended distributors for this material

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