

Nylene® NX4301

Polyamide 6
Custom Resins Group

Message:

High viscosity, UV stabilized extrusion grade nylon resistant to degradation by ultraviolet light
The elevated quality of UV resistance is attributed to highly uniform dispersion of 2% carbon black
With an ASTM viscosity of 200, NX4301 has very good melt flow and melt strength characteristics which are important for profile extrusion
Optimum processing conditions should permit for a melt temperature of 550 - 575°F at the die. (Available in black only)

General Information	
Additive	Carbon Black (2%) Nucleating Agent
Features	Good Abrasion Resistance Good Toughness Grease Resistant High Melt Stability High Viscosity Low Odor Transfer Nucleated
Uses	Cast Film Film
Processing Method	Blown Film Cast Film Extrusion

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)	70.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	140	%	ASTM D638
Flexural Strength (23°C)	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.2	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Melt Temperature	288 to 302	°C	

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