

AuroraGuard™ 601E

Aurora Material Solutions, LLC - Polyamide 6

General Information

Product Description

High Viscosity Extrusion Grade recommended for all types of extrusion including profile, film, and extrusion coating

Formerly known as EnLon 601E

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Blow Molding • Extrusion	• Extrusion Coating • Film Extrusion	• Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10200	psi	ASTM D638
Tensile Elongation (Break)	140	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	145	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	510 to 530	°F
Middle Temperature	520 to 540	°F
Front Temperature	530 to 550	°F
Nozzle Temperature	550 to 575	°F
Processing (Melt) Temp	550 to 575	°F

Injection Notes

Maximum Drying Time 4.0 hrs

Notes

¹ Typical properties: these are not to be construed as specifications.

