

## AuroraGuard™ 266IM20UW

Aurora Material Solutions, LLC - Polyamide 66

### General Information

#### Product Description

Super Impact Modified, UV Stabilized, Weather Resistant Nylon 66

Formerly known as EnLon 266IM20UW

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Impact Modifier	• UV Stabilizer	
Features	• Good Weather Resistance	• Impact Modified	• UV Stabilized
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.08		ASTM D792
Molding Shrinkage - Flow (0.126 in)	0.018 to 0.022	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	6800	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	245000	psi	ASTM D790
Flexural Strength	9500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact			ASTM D256
-40°F	7.0	ft·lb/in	
73°F	19	ft·lb/in	
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	160	°F	ASTM D648
CLTE - Flow	7.8E-5	in/in/°F	
CLTE - Transverse	6.7E-5	in/in/°F	

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	175	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	520 to 550	°F
Middle Temperature	530 to 560	°F
Front Temperature	540 to 570	°F
Nozzle Temperature	530 to 560	°F
Processing (Melt) Temp	540 to 570	°F
Mold Temperature	100 to 200	°F

#### Injection Notes

Maximum Drying Time 4.0 hrs

