AuroraGuard™ 66IM18

Aurora Material Solutions, LLC - *Polyamide 66*

General Information

Product Description			
Super Impact Modified Nylon 66 Formerly known as EnLon 66IM18			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier		
Features	• Impact Modified		
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.08		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	6800	psi	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Flexural Modulus	245000	psi	ASTM D790
Flexural Strength	9500	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	18	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	160	°F	ASTM D648

Processing Information

Injection	**Nominal Value**	**Unit**
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	550 to 580	°F
Mold Temperature	150 to 250	°F
Injection Notes		
Maximum Drying Time 4.0 hrs		