

Starflam® A28UL

Ascend Performance Materials Operations LLC - Polyamide 66

General Information

Product Description

Starflam A28UL is an unfilled, flame retardant, heat stabilized PA66 for injection molded applications. The material is halogen free and red phosphorus free.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Flame Retardant	• Heat Stabilizer	• Mold Release
Features	• Bromine Free	• Halogen Free	
	• Flame Retardant	• Heat Stabilized	
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		
Resin ID	• PA66 FR		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 73°F)	12800	psi	ISO 527-2
Flexural Modulus (73°F)	493000	psi	ISO 178
Flexural Stress (73°F)	18900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	1.4	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	187	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F, 0.0787 in)	3.3E-5	in/in/°F	ISO 11359-2
RTI Elec			UL 746B
0.030 in	266	°F	
0.05 in	266	°F	
RTI Imp			UL 746B
0.030 in	194	°F	
0.05 in	194	°F	
RTI Str			UL 746B
0.030 in	212	°F	
0.05 in	212	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (0.118 in)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-2		
0.05 in	V-2		

Processing Information

Injection	Nominal Value	Unit
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	500 to 518	°F
Middle Temperature	518 to 536	°F



Front Temperature	518 to 536 °F
Processing (Melt) Temp	518 to 536 °F
Mold Temperature	140 to 194 °F

