

AuroraGuard™ 1614URS

Aurora Material Solutions, LLC - Polycarbonate

General Information

Product Description

Static Dissipative PC with UV Stabilizer and Release

Formerly known as EnPure 1614URS

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Mold Release	• UV Stabilizer	
Features	• Good Mold Release	• UV Stabilized	
Uses	• Electrical/Electronic Applications		
Appearance	• Black	• Colors Available	
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Molding Shrinkage - Flow (0.126 in)	3.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	16000	psi	ASTM D638
Tensile Elongation (Break)	22	%	ASTM D638
Flexural Modulus	900000	psi	ASTM D790
Flexural Strength	18000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.8	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	290	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	220 to 250	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	40 to 75	%
Rear Temperature	520 to 560	°F
Middle Temperature	540 to 580	°F
Front Temperature	550 to 600	°F
Nozzle Temperature	550 to 590	°F
Processing (Melt) Temp	560 to 600	°F
Mold Temperature	160 to 210	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 70	rpm
Vent Depth	1.5E-3 to 3.0E-3	in

Injection Notes

Maximum Drying Time 7 hrs

