Ultraform® N 2320 U017 UNC Q600

BASF Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

Ultraform N 2320 U017 UNC Q600 is a rapidly freezing UV stabilized general-purpose injection molding grade.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• UV Stabilizer		
Features	• Copolymer	• General Purpose	• UV Stabilized
Uses	• General Purpose		
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• CHRYSLER MS-DB-100 CPN1758 • FORD WSK-M4D840-A1	• FORD WSS-M4D840-B1 • GM GMW22P-POM-C2U	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	9.00	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	2.1	%	
Flow	2.1	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	377000	psi	ISO 527-2
Tensile Stress (Yield, 73°F)	8850	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	11	%	ISO 527-2
Nominal Tensile Strain at Break (73°F)	> 50	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-22°F	2.9	ft·lb/in²	
73°F	2.9	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (66 psi, Unannealed)	302	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	194	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 230	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	374 to 446	°F
Mold Temperature	140 to 248	°F

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Injection	Nominal Value	Unit
Injection Pressure	508 to 1020	psi

Notes

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