

Ultraform® N 2320 U03 UNC Q600

Polyoxymethylene (POM)



Product Description

Ultraform N 2320 U03 UNC Q600 is a rapidly freezing UV stabilized general-purpose injection molding grade.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm ³	1183	1.40
Mold Shrinkage, parallel, %	294-4	2.1
Mold Shrinkage, normal, %	294-4	2.1
Moisture, %	62	
(50% RH)		0.2
(Saturation)		0.8
RHEOLOGICAL	ISO Test Method	Property Value
Melt Volume Rate (190 C/2.16 Kg), cc/10min.	1133	7.5
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23C		2,600
Tensile stress at yield, MPa	527	
-40C		93
23C		63
80C		33
Tensile strain at yield, %	527	
23C		9.4
Nominal strain at break, %	527	
23C		30
Flexural Modulus, MPa	178	
23C		4,000
Tensile Creep Modulus (1000h), MPa	899	1,400
Tensile Creep Modulus (1h), MPa	899	1,800
IMPACT	ISO Test Method	Property Value
Izod Notched Impact, kJ/m ²	180	
23C		6.5
Charpy Notched, kJ/m ²	179	
-30C		5
23C		5.5
Charpy Unnotched, kJ/m ²	179	
-30C		180
23C		200
THERMAL	ISO Test Method	Property Value
Melting Point, C	3146	166
HDT A, C	75	95
HDT B, C	75	156
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		1.1 X10-4

ELECTRICAL	ISO Test Method	Property Value
Comparative Tracking Index	IEC 60112	600

Note

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