

Ultraform® N 2320 U03 UNC Q600

Polyoxymethylene

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	1.4
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	
23°C		2,600
Tensile stress at yield, MPa	527	
-40°C		93
23°C		63
80°C		33
Tensile strain at yield, %	527	
23°C		9.4
Nominal strain at break, %	527	
23°C		30
Flexural Modulus, MPa	178	
23°C		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	
23°C		6.5
Charpy Notched, kJ/m ²	179	
-30°C		5
23°C		5.5
Charpy Unnotched, kJ/m ²	179	
-30°C		180
23°C		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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