

Ultraform® W 2320 003 BK120 Q600

Acetal (POM) Copolymer

BASF Corporation

Product Description

Ultraform W 2320 003 BK120 Q600 is a pigmented black, very easy flowing and rapidly solidifying injection molding POM grade for use where processing is extremely difficult but mechanical properties are lower. Contains a mold release agent. It conforms to FDA requirements of 21 CFR 177.2470.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Mold Release
Features	• Good Flow
Uses	• Thin-walled Parts
Agency Ratings	• FDA 21 CFR 177.2470
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1400	kg/m ³	ISO 1183 ²
Water Absorption			ISO 62 ²
Saturation	0.80	%	
Equilibrium	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	2700	MPa	ISO 527-2 ²
Tensile Stress (Yield)	63.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	7.5	%	ISO 527-2 ²
Flexural Modulus (23°C)	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	5.50	kJ/m ²	ISO 179/1eA ²
Notched Izod Impact Strength (23°C)	5.50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	90.0	°C	ISO 75-2 ²
Melting Temperature (DSC)	167	°C	ISO 3146

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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