



Amcel® KP20

Celanese Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

Amcel® acetal copolymer grade KP20 is a medium-viscosity, general purpose injection moldable grade.

General

Material Status	• Limited Issue
Availability	• North America
Features	• Medium Viscosity
Uses	• General Purpose
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	8.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ISO 527-2/1
Tensile Stress (Yield)	9280	psi	ISO 527-2/50
Flexural Modulus (73°F)	355000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.8	ft-lb/in ²	ISO 179/eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	212	°F	ISO 75-2/A
Melting Temperature (DSC)	331	°F	ISO 3146

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	365 to 383	°F
Mold Temperature	176 to 194	°F

Notes

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