

# Amcel® KP20

Celanese Corporation - Acetal (POM) Copolymer

Monday, November 28, 2022

## 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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	8.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ISO 527-1/1
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 <sup>2</sup>	ISO 179/eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 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

<sup>1</sup> Typical properties: these are not to be construed as specifications.