

TENAC™-C FF520

Asahi Kasei Corporation - Acetal (POM) Copolymer

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Copolymer	• High Flow	• Low Viscosity
Uses	• Engineering Parts	• Gears	• Housings
Part Marking Code (ISO 11469)	• >POM<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	120	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.016 to 0.020	in/in	Internal Method
Water Absorption (24 hr, 73°F, 50% RH)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	412000	psi	ISO 527-1
Tensile Stress (Yield)	9430	psi	ISO 527-2
Nominal Tensile Strain at Break	13	%	ISO 527-2
Flexural Modulus	408000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.4	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ISO 75-2/A
CLTE - Flow	5.6E-5	in/in/°F	ISO 11359-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 194	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	356 to 410	°F
Mold Temperature	> 140	°F

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