

Delrin® FG400MTD BLA079

ACETAL RESIN

DuPont Performance Polymers

Message:

Metal Detectable Medium Viscosity Acetal Copolymer Developed for Food Contact Applications

General Information			
Filler / Reinforcement	Metal		
Additive	Mold Release		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>POM-MFe<		
Resin ID (ISO 1043)	POM-MFe		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	17	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.6	%	
Flow	1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress (Yield)	61.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Melting Temperature ¹	168	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.2E-4	cm/cm/°C	
Transverse	1.2E-4	cm/cm/°C	
NOTE			
1.	10°C/min		

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