

DynaMix™ PD2003A

Acetal (POM) Copolymer

Polymer Dynamix

Message:

- Super Tough Acetal
- Features:
 - Excellent Chemical Resistance
 - Low Temperature Impact Resistance
 - Good Dimensional Stability
 - Excellent Processability
- Applications:
 - Automotive
 - Industrial
 - Small Appliances
 - Sporting Goods

General Information			
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good Toughness		
	Low Temperature Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Industrial Applications		
	Sporting Goods		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	2.0 to 5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	47.6	MPa	
Break	39.0	MPa	
Tensile Elongation			ASTM D638
Yield	20	%	
Break	> 150	%	
Flexural Modulus	1240	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256

Unnotched Izod Impact (23°C, 3.18 mm)	No Break	ASTM D256
Injection	Nominal Value	Unit
Rear Temperature	188 to 199	°C
Middle Temperature	193 to 204	°C
Front Temperature	199 to 210	°C
Nozzle Temperature	210 to 216	°C
Processing (Melt) Temp	204 to 216	°C
Injection Rate	Moderate-Fast	
Screw Speed	40 to 60	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm ²

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