

Delrin® 500CL BK601

ACETAL RESIN

DuPont Performance Polymers

Message:

Lubricated Medium Viscosity Acetal Homopolymer with Low Wear and Low Friction

General Information			
UL YellowCard	E41938-257637		
Additive	Lubricant		
	Mold Release		
Features	Lubricated		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>POM<		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Yield)	67.0	MPa	ISO 527-2
Tensile Strain (Yield)	13	%	ISO 527-2
Nominal Tensile Strain at Break	18	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Melting Temperature ¹	178	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.800 mm	HB		

1.50 mm	HB
NOTE	
1.	10°C/min

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