

Delrin® 311DP BK402

ACETAL RESIN

DuPont Performance Polymers

Message:

Nucleated Medium-high Viscosity Acetal Homopolymer

General Information			
UL YellowCard	E41938-257632		
Additive	Lubricant		
	Mold Release		
Features	Lubricated		
Uses	Profiles		
	Sheet		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
Part Marking Code (ISO 11469)	>POM<		
Resin ID (ISO 1043)	POM		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain (Yield)	15	%	ISO 527-2
Nominal Tensile Strain at Break	28	%	ISO 527-2
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 (1.8 MPa, Unannealed)	103	°C	ISO 75-2/A
Melting Temperature ¹	178	°C	ISO 11357-3
Flammability	Nominal Value		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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