Delrin® 500T BK602

ACETAL RESIN

DuPont Performance Polymers

Message:

Toughened Medium Viscosity Acetal Homopolymer

General Information			
UL YellowCard	E41938-257639		
Additive	Lubricant Mold Release		
Features	Lubricated		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>POM-I<		
Resin ID (ISO 1043)	POM-I		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.39	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.5	%	
Flow	1.5	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	54.0	MPa	ISO 527-2
Tensile Strain (Yield)	17	%	ISO 527-2
Nominal Tensile Strain at Break	28	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress (3.5% Strain)	60.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m²	
23°C	13	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-40°C	9.0	kJ/m²	
23°C	12	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			

0.45 MPa, Unannealed	146	°C	ISO 75-2/B
1.8 MPa, Unannealed	76.0	°C	ISO 75-2/A
Melting Temperature [1]	178	°C	ISO 11357-3
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate (1.00 mm)	55	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.800 mm	HB		
1.50 mm	HB		
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Emission	< 8.00	mg/kg	VDA 275
NOTE			
1.	10°C/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China