



Technical Datasheet: 511 DP - BK402

Product Description:

Nucleated Medium Viscosity Acetal Homopolymer.

Applications:

Engineering applications such as auto parts, gears, etc.

Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Density	ISO 1183	g/cm ³	1.42
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	ISO1133	g/10 min	14
Melt Mass-Flow Rate (MVR) (190°C/2.16 kg)	ISO1133	In3 /10min	0.793
Molding Shrinkage Across Flow	ISO 294-4	%	1.8
Flow		%	1.9
Water Absorption 73°F (23°C), 24hr, 0.0787 in (2.00 mm) Equilibrium, 73 °F (23°C), 0.0787 in(2.00mm),50%RH	ISO 62	%	0.90
		%	0.20
Tensile Modulus	ISO 527-2	psi	493000
Tensile Stress (Yield)	ISO 527-2	psi	10700
Tensile Strain (Yield)	ISO 527-2	%	12
Nominal Tensile Strain at Break	ISO 527-2	%	60
Flexural Modulus	ISO 178	psi	464000
Flexural Strength (3.5% Strain)	ISO 178	psi	12300
Charpy Notched Impact Strength -22°F (-30°C) 73 °F (23°C)	ISO 179/1eA	ft.lb/in2	2.9
		ft.lb/in2	3.3
Charpy Unnotched Impact Strength	ISO 179/1eU	ft.lb/in2	76
		ft.lb/in2	76
Heat Deflection Temperature 66psi (0.45 MPa), Unannealed 264 psi (1.8 MPa), Unannealed	ISO 75-2/B	°F	325
	ISO 75-2/A	°F	221
Melting Temperature ⁴	ISO 11357-3	°F	352

* Typical values not to be construed as specifications.