

# Technical Data Sheet

<b>Poly Acetal K300</b>				
<b>Property</b>		<b>Test Method</b>	<b>Units</b>	<b>Value</b>
<b>Physical</b>				
Melt Index		ASTM D1238	g/10min	9.0
Specific Gravity		ASTM D792	-	1.41
Shrinkage		ASTM D955	%	2.0
Water Absorption	23°C, Equilibrium 60%RH	ASTM D570	%	0.22
<b>Thermal</b>				
Melting Point		ASTM D1525	°C	166
Heat Deflection Temperature under Load		ASTM D648		
	HDT/A 0.45 MPa ( 4.6 kg/cm <sup>2</sup> )		°C	158
	HDT/A 1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	110
Vicat Softening Temperature		ASTM D1525	°C	162
Coeff. Of Linear Thermal Expansion		ASTM D696	× 10 <sup>-5</sup> cm/cm·°C	13
Flammability		UL 94		HB
<b>Mechanical</b>				
Tensile Strength	23°C	ASTM D638	MPa (kg/cm <sup>2</sup> )	64 (650)
Tensile Elongation	23°C	ASTM D638	%	60
Flexural Strength	23°C	ASTM D790	MPa (kg/cm <sup>2</sup> )	94 (960)
Flexural Modulus	23°C	ASTM D790	MPa (kg/cm <sup>2</sup> )	2,500 (25,500)
Notched Izod Impact Strength	23°C	ASTM D256	J/m (kg·cm/cm)	67 (6.8)
Rockwell Hardness	M scale	ASTM D785	-	80
<b>Electrical</b>				
Surface Resistivity		ASTM D257	× 10 <sup>16</sup> Ω	1
Volume Resistivity		ASTM D257	× 10 <sup>14</sup> Ω·cm	1
Dielectric Strength		ASTM D149	kV/mm	19
Dielectric Constant		ASTM D150	-	3.7
Dielectric Dissipation	FactorConstant10 <sup>6</sup> Hz	ASTM D150	-	0.006

Product Name: **Poly Acetal K300**  
 Commercial Name: **Poly Acetal K300**  
 Date:

**HEROSHIMI**

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