

## PRODUCT INFORMATION

Colored Grade

# KOCETAL<sup>®</sup> K700BBK

Kocetal K700BBK is a general injection molding grade with a good mechanical property for wide range

Property	Test Method	Units	Value
<b>Physical</b>			
Melt Index	ASTM D1238	g/10min	27.0
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	159
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	%	45
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	93 (950)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	2,800 (28,000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg cm/cm)	50 (5.0)
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 FactorConstant 10 <sup>6</sup> Hz	ASTM D150	-	0.006

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