



**PRODUCT INFORMATION**  
Standard Grade

# KOCETAL<sup>®</sup> K700

Kocetal K700 is a very easy-flow grade for superior mold ability in multi-cavity and small thin-sections.

Property	Test Method	Units	Value
<b>Physical</b>			
Melt Index	ASTM D1238	g/10min	24.0~30.0
Specific Gravity	ASTM D792	-	1.41
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.22
<b>Thermal</b>			
Melting Point	ASTM D1525	°C	166
Heat Deflection Temperature	ASTM D648		
HDT/A 4.6kg/cm <sup>2</sup> (0.45MPa)		°C	160
HDT/A 18.6kg/cm <sup>2</sup> (1.81MPa)		°C	110
Vicat Softening Temperature	ASTM D1525	°C	162
Coeff. Of Linear Thermal Expansion	ASTM D696	x 10 <sup>-5</sup> cm/cm·°C	9~11
Flammability	UL 94		HB
<b>Mechanical</b>			
Tensile Strength 23°C	ASTM D638	kg/cm <sup>2</sup> (MPa)	590 (58)
Tensile Elongation 23°C	ASTM D638	%	30
Flexural Strength 23°C	ASTM D790	kg/cm <sup>2</sup> (MPa)	860 (84)
Flexural Modulus 23°C	ASTM D790	kg/cm <sup>2</sup> (MPa)	23000 (2256)
Notched Izod Impact Strength 23°C	ASTM D256	kg-cm/cm (J/m)	5 (49)
Rockwell Hardness M scale	ASTM D785	-	82
<b>Electrical</b>			
Surface Resistivity	ASTM D257	x 10 <sup>16</sup> Ω	1
Volume Resistivity	ASTM D257	x 10 <sup>14</sup> Ω·m	1
Dielectric Strength	ASTM D149	kV/mm	19
Dielectric Constant 10 <sup>6</sup> Hz	ASTM D150	-	3.7
Dielectric Dissipation FactorConst 10 <sup>6</sup> Hz	ASTM D150	-	0.006
Arc Resistance	ASTM D495	sec	>200

The information provided in this data sheet is based on our present state of knowledge and is estimated by KOLON. This information should not be used as guaranteeing specification limits. KOLON make no warranty and liability in connection with any use of this information.



**KTP Industries Inc.**

KOLON TOWER, 1-23, BYULYANG-DONG, KWACHEN-CITY KYNG GI-DO, KOREA  
Tel. 82-2-3677-3580~9 Fax. 82-2-3677-3558