

PRODUCT INFORMATION

Standard Grade

KOCETAL[®] K700

Kocetal K700 is an easy flow grade for use to hard-to-fill mold and mechanical thin-wall part.

Property	Test Method	Units	Value
Physical			
Melt volume rate MVR 190 °C/2.16 kg	ISO 1133	cm ³ /10min	19.00
Specific Gravity	ISO 1183	g/cm ³	1.404
Shrinkage	ISO 294-3/4	%	2.0
Water Absorption 23 °C, Equilibrium 50%RH	ISO 62	%	0.22
Thermal			
Melting Point	ISO 3146	°C	166
Heat Deflection Temperature under Load HDT/A 1.85 MPa (18.6 kg/cm ²)	ISO 75-2	°C	110
Vicat Softening Temperature	ISO 306	°C	162
Flammability	UL 94	Grade	HB
Mechanical			
Tensile Strength 23 °C	ISO 527-1/2	MPa	65
Tensile Modulus 23 °C	ISO 527-1/2	MPa	2,500
Tensile Elongation at break 23 °C	ISO 527-1/2	%	41
Flexural Strength 23 °C	ISO 178	MPa	82
Flexural Modulus 23 °C	ISO 178	MPa	2,600
Notched Charpy Impact Strength 23 °C	ISO 179/1eA	kJ/m ²	4.7
Rockwell Hardness M scale	ISO 868	M Scale	80
Electrical			
Surface Resistivity	IEC 60093	× 10 ¹⁶ Ω	1
Volume Resistivity	IEC 60093	× 10 ¹⁴ Ω·cm	1
Dielectric Strength	IEC 60243	kV/mm	19

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KOLON PLASTICS, Inc.

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