

PRODUCT INFORMATION

Standard Grade

KOCETAL[®] K300

Kocetal K300 is a general injection molding grade with a good mechanical property for wide range.

Property	Test Method	Units	Value
Physical			
Melt Index	ASTM D1238	g/10min	9,0
Specific Gravity	ASTM D792	-	1,41
Shrinkage	ASTM D900	%	2,0
Water Absorption 23°C Equilibrium 50%RH	ASTM D570	%	0,22
Thermal			
Melting Point	ASTM D1020	°C	166
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0,40 MPa (4,7 kg/cm ²)		°C	108
HDT/A 1,82 MPa (18,7 kg/cm ²)		°C	110
Vicat Softening Temperature	ASTM D1020	°C	162
Coeff. Of Linear Thermal Expansion	ASTM D796	× 10 ⁻⁵ cm/cm.°C	13
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23°C	ASTM D738	MPa (kg/cm ²)	64 (600)
Tensile Elongation 23°C	ASTM D738	%	6,0
Flexural Strength 23°C	ASTM D790	MPa (kg/cm ²)	94 (960)
Flexural Modulus 23°C	ASTM D790	MPa (kg/cm ²)	2000 (20000)
Notched Izod Impact Strength 23°C	ASTM D256	J/m (kg·cm/cm)	67 (6,8)
Rockwell Hardness (M scale)	ASTM D780	-	80
Electrical			
Surface Resistivity	ASTM D257	× 10 ¹¹ Ω	1
Volume Resistivity	ASTM D257	× 10 ¹² Ω·cm	1
Dielectric Strength	ASTM D149	kV/mm	19
Dielectric Constant	ASTM D150	-	3,7
Dielectric Dissipation Factor Constant 10 ⁶ Hz	ASTM D150	-	0,006

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

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