

## PRODUCT INFORMATION

Standard Grade

# KOCETAL<sup>®</sup> K500

Kocetal K500 is an easy flow grade for use to hard-to-fill mold and mechanical thin-wall part.

Property	Test Method	Units	Value
<b>Physical</b>			
Melt volume rate MVR 190 °C/2.16 kg	ISO 1133	cm <sup>3</sup> /10min	10.00
Specific Gravity	ISO 1183	g/cm <sup>3</sup>	1.404
Shrinkage	ISO 294-3/4	%	2.2
Water Absorption 23 °C, Equilibrium 50%RH	ISO 62	%	0.22
<b>Thermal</b>			
Melting Point	ISO 3146	°C	166
Heat Deflection Temperature under Load HDT/A 1.85 MPa ( 18.6 kg/cm <sup>2</sup> )	ISO 75-2	°C	110
Vicat Softening Temperature	ISO 306	°C	162
Flammability	UL 94	Grade	HB
<b>Mechanical</b>			
Tensile Strength 23 °C	ISO 527-1/2	MPa	65
Tensile Modulus 23 °C	ISO 527-1/2	MPa	2,595
Tensile Elongation at break 23 °C	ISO 527-1/2	%	43
Flexural Strength 23 °C	ISO 178	MPa	84
Flexural Modulus 23 °C	ISO 178	MPa	2,674
Notched Charpy Impact Strength 23 °C	ISO 179/1eA	kJ/m <sup>2</sup>	4.2
Rockwell Hardness M scale	ISO 868	M Scale	80
<b>Electrical</b>			
Surface Resistivity	IEC 60093	× 10 <sup>16</sup> Ω	1
Volume Resistivity	IEC 60093	× 10 <sup>14</sup> Ω·cm	1
Dielectric Strength	IEC 60243	kV/mm	19

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