

# Kolon KOCETAL<sup>®</sup> K900

Very low viscosity grade.  
Applications: Thin and large products.

Information provided by API-Kolon.

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.22 %	0.22 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM D955
Melt Flow	42 g/10 min	42 g/10 min	ASTM D1238
Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength	64.0 MPa	9280 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Flexural Strength	96.0 MPa	13900 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Constant	3.7	3.7	ASTM D150
Dielectric Strength	19.0 kV/mm	483 kV/in	ASTM D149
Dissipation Factor	0.0060 @Frequency 1e+6 Hz	0.0060 @Frequency 1e+6 Hz	ASTM D150
Thermal Properties	Metric	English	Comments
CTE, linear	130 $\mu\text{m}/\text{m}\cdot\text{C}$	72.2 $\mu\text{in}/\text{in}\cdot\text{F}$	ASTM D696
Melting Point	166 $^{\circ}\text{C}$	331 $^{\circ}\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	158 $^{\circ}\text{C}$	316 $^{\circ}\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 $^{\circ}\text{C}$	230 $^{\circ}\text{F}$	ASTM D648
Vicat Softening Point	162 $^{\circ}\text{C}$	324 $^{\circ}\text{F}$	ASTM D1525