

General Grade

KOPA®

Middle viscosity, wide uses

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.14
Shrinkage		ASTM D955	%	1.1-1.3
Water Absorption	23 °C , Equilibrium 60%RH	ASTM D570	%	1.3
Thermal				
Melting Point		ASTM D3418	°C	255
Heat Deflection Temperature under Load		ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)			°C	235
HDT/A 1.82 MPa (18.6 kg/cm ²)			°C	85
Coeff. Of Linear Thermal Expansion		ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.7
Flammability		UL 94		V2
Mechanical				
Tensile Strength	23 °C	ASTM D638	MPa (kg/cm ²)	83(850)
Tensile Elongation	23 °C	ASTM D638	%	60
Flexural Strength	23 °C	ASTM D790	MPa (kg/cm ²)	128(1300)
Flexural Modulus	23 °C	ASTM D790	MPa (kg/cm ²)	2942(30000)
Notched Izod Impact Strength	23 °C	ASTM D256	J/m (kg cm/cm)	69(7)
Rockwell Hardness	R scale	ASTM D785	g/cc	120
Electrical				
Arc Resistance		ASTM D495	sec	128
Dielectric Constant		ASTM D150	10 ⁶ Hz	3.3
Dielectric Strength		ASTM D149	KV/mm	20

