

## TYPICAL PROPERTIES OF SCHULTZ<sup>®</sup> S740

Appearance	Clear Transparent Liquid	
Component	Biphenyl/Diphenyl Oxide Mixture	
Moisture Content / (mg/kg)	114	
Flash Point / °C	118	
Autoignition Temperature / °C	600	
Crystallization Point / °C	12	
Density(20°C) / (kg/m <sup>3</sup> )	1063	
Acid Number(KOH) / (mg/g)	0.01	
Carbon Residue / %	0.01	
Sulfur / (mg/kg)	3	
Chlorine / (mg/kg)	4	
Kinematic Viscosity / (mm <sup>2</sup> /s)	40°C	2.5
	100°C	0.99
Coefficient of Thermal Expansion (200°C) / °C	0.000979	
Volume Contraction upon Freezing / %	6.27	
Volume Expansion upon Melting / %	6.69	
Normal Boiling Point / °C	257	
Average Molecular Weight	166	
Surface Tension in The Air(25°C) / (mN/m)	36.6	
Resistivity(20°C)/ (Ω·cm)	6.4×10 <sup>11</sup>	
Heat of Fusion / (kJ/kg)	97.3	
Heat of Evaporation(400°C) / ( kJ/kg)	206	
Pseudocritical Temperature / °C	499	
Pseudocritical Pressure / bar	33	
Pseudocritical Density / (kg/m <sup>3</sup> )	327	
Optimum Use Range / °C	Liquid Phase	12~400
	Gas Phase	257~400
Maximum Bulk Temperature / °C	400	
Maximum Film Temperature / °C	430	

Note: The above data are based upon test samples in the laboratory and not guaranteed for all products.

For full specifications of SCHULTZ<sup>®</sup> S740, please contact our sales dept.