

Feature Comparison

Clearco DPF-7050 & Dow Corning® 705 Diffusion Pump Fluids

	Clearco DPF-7050	Dow 705 Diffusion Pump Fluid
Molecular Description	Pentaphenyltrimethyltrisiloxane (Trimethylpentaphenyltrisiloxane)	Pentaphenyltrimethyltrisiloxane (Trimethylpentaphenyltrisiloxane)
CAS #	3390-61-2	3390-61-2
Viscosity @ 25°C	170 to 175cSt	175cSt
Molecular Weight	547	546
Pour Point °C	-35°C	
Specific Gravity	1.09	1.09
Refractive Index	1.556	
Surface Tension	36.5	36.5
Flashpoint °C	221°C	>214°C
Boiling Point	245°C	245°C
Ultimate Vacuum, torr untrapped trapped	10-9 to 10-10 to 10-11	10-9 to 10-10 to 10-11