

CARGILLE FUSED SILICA MATCHING LIQUIDS CODES 50350 AND 06350

Typical Optical Values Of Fused Silica Matching Liquids As Compared With Fused Silica

<u>WAVELENGTH</u> <u>Angstroms</u>	<u>REFRACTIVE INDEX @ 25 °C</u>			<u>PERCENT TRANSMITTANCE</u>	
	<u>Liquids</u>		<u>Silica</u>	<u>Liquids at 25 °C (1 cm cell</u>	
	<u>06350</u>	<u>50350</u>		<u>06350</u>	<u>50350</u>
2700	1.51	1.51	1.50	18	31
2900	1.501	1.500	1.491	67	63
3370	1.485	1.485	1.479	95	98
4047 (h)	1.4727	1.4726	1.4697	99	99
4861 (F)	1.4644	1.4645	1.4632	100	100
4880	1.4643	1.4643	1.4631	100	100
5461 (e)	1.4607	1.4607	1.4601	100	100
5682	-1.4596	1.4596	1.4592	100	100
5893 (D)	1.4587	1.4587	1.4585	100	100
6328	1.4571	1.4571	1.4571	100	100
6563 (C)	1.4564	1.4564	1.4564	100	100
6943	1.4554	1.4553	1.4555	100	100
8400	1.4527	1.4526	1.4527	99	100
10648	1.451	1.450	1.450	95	95
11000	1.450	1.450	1.449	97	98
13000	1.449	1.449	1.447	88	88
15500	1.449	1.449	1.444	79	81
<u>DISPERSION</u> : $n_F - n_C$ = 0.0080 0.0081 0.0068					
Abbe v = 57 57 67					
<u>TEMPERATURE</u>					
<u>COEFFICIENT (15 - 35 °C) :</u>					
$dn_D \div dt$ = -0.000365 -0.000386 +0.000012					
<u>CLOUD POINT</u> : none 1 °C max. none					
<u>DENSITY (g / cc) :</u> .82 .83 2.40					

FOR MORE EXTENSIVE DATA, ASK FOR THE COMPLETE
TYPICAL CHARACTERISTICS SHEETS FOR FUSED SILICA MATCHING LIQUIDS