

<b>H-TF3</b>	<b>612441</b>	$n_d = 1.61242$	$\nu_d = 44.09$	$n_F - n_c = 0.013890$
		$n_e = 1.61573$	$\nu_e = 43.85$	$n_{F'} - n_{c'} = 0.014041$

Refractive Indices		
	$\lambda(\text{nm})$	
$n_r$	706.5	1.60590
$n_c$	656.3	1.60825
$n_{c'}$	643.8	1.60891
$n_{\text{He-Ne}}$	632.8	1.60953
$n_D$	589.3	1.61230
$n_d$	587.6	1.61242
$n_e$	546.1	1.61573
$n_F$	486.1	1.62214
$n_{F'}$	480.0	1.62295
$n_g$	435.8	1.63000
$n_h$	404.7	1.63672
$n_i$	365.0	1.64863

Chemical Properties (grade)	
RC(S)	
RA(S)	
$D_W$	3
$D_A$	3

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400	0.812	0.659
2200	0.944	0.891
2000	0.997	0.994
1800	0.997	0.994
1600	0.997	0.994
1400	0.997	0.994
1200	0.997	0.994
1060	0.997	0.994
1000	0.997	0.994
950	0.997	0.994
900	0.997	0.994
850	0.997	0.994
800	0.997	0.994

Thermal Properties	
$T_g(^{\circ}\text{C})$	538
$T_s(^{\circ}\text{C})$	584
$T_{10}^{14.5}(^{\circ}\text{C})$	503
$T_{10}^{13}(^{\circ}\text{C})$	530
$\alpha_{20/120^{\circ}\text{C}} (10^{-7}/\text{K})$	58
$\alpha_{100/300^{\circ}\text{C}} (10^{-7}/\text{K})$	74
$\lambda(\text{W}/\text{m}\cdot\text{K})$	

Constants of Dispersion Formula	
$A_0$	2.53844990E+00
$A_1$	-8.92619000E-03
$A_2$	2.35923530E-02
$A_3$	-9.40829710E-04
$A_4$	1.90418920E-04
$A_5$	-7.52487520E-06

Mechanical Properties	
$H_K(10^7\text{Pa})$	
$F_A$	
$E(10^7\text{Pa})$	
$G(10^7\text{Pa})$	
$\mu$	
$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion			
$P_{d,c}$	0.3002	$P'_{d,c'}$	0.2500
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2357
$P_{g,F}$	0.5659	$P'_{g,F'}$	0.5021

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0041
$\Delta P_{g,F}$	-0.0047

Range of Temperature ( $^{\circ}\text{C}$ )	Temperature Coefficients of Refractive Index						
	$dn/dt$ relative ( $10^{-6} / ^{\circ}\text{C}$ )						
	t	C'	He-Ne	D	e	F'	g
-40~-20							
-20~0							
0~20							
20~40							
40~60							
60~80							

700	0.997	0.994
650	0.997	0.994
600	0.997	0.994
550	0.997	0.994
500	0.997	0.994
480	0.993	0.986
460	0.993	0.986
440	0.989	0.978
420	0.979	0.958
400	0.971	0.943
390	0.964	0.929
380	0.950	0.903
370	0.924	0.854
360	0.883	0.780
350	0.795	0.632
340	0.645	0.416
330	0.355	0.126
320	0.076	0.006
310		
300		
290		
280		

Density	
$\rho(\text{g}/\text{cm}^3)$	2.73

Coloration Code		
$\lambda_{80}/\lambda_5$	38/32	$\lambda_{70}/\lambda_5$

Remarks