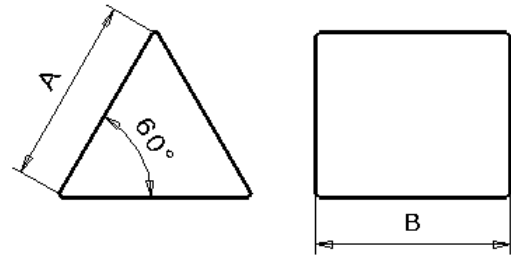


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Description: Prism disperses collimated light into its component spectrum.

Application: Used for spectrum analysis.

ID	2109
A	30mm
B	20mm
Dimensional Tolerances	±0.1mm
Angle Tolerances	±10arcmin
Surface Quality (Scratch/Dig)	60-40
Bevel	0.3mm x 45°



H-F4 (CDGM) 620364		$n_d = 1.62005$	$v_d = 36.35$	$n_r - n_c = 0.017060$		
Corresponding glass type: N-F2		$n_e = 1.62408$	$v_e = 36.09$	$n_r' - n_c' = 0.017291$		
Refractive Indices		Relative Partial Dispersions		Internal Transmittance		
	λ (nm)	$P_{d,c}$	$P'_{d,c}$	λ (nm)	τ 5 mm	τ 10 mm
n_t	1014.0	0.2938	0.2443	2400	0.924	0.853
n_r	706.5	$P_{e,d}$ 0.2365	$P'_{e,d}$ 0.2334	2200	0.940	0.884
n_c	656.3	$P_{g,F}$ 0.5862	$P'_{g,F}$ 0.5193	2000	0.980	0.961
$n_{c'}$	643.8	Chemical Properties		1800	0.989	0.979
n_{He-Ne}	632.8	Grade		1600	0.998	0.997
n_D	589.3	RC(S)	1	1400	0.999	0.998
n_d	587.6	RA(S)	1	1200	0.999	0.998
n_e	546.1	D _W	2	1060	0.999	0.998
n_F	486.1	D _A	1	1000	0.999	0.998
$n_{F'}$	480.0	Thermal Properties		950	0.999	0.998
n_g	435.8	T_g (°C)	584	900	0.999	0.998
n_{H_i}	404.7	T_s (°C)	630	850	0.999	0.998
n_i	365.0	$T_{10^{14.5}}$ (°C)	528	800	0.999	0.998
Constants of Dispersion Formula		$T_{10^{13}}$ (°C)	562	700	0.999	0.998
A_0	2.56216381	$T_{10^{12}}$ (°C)		650	0.998	0.997
A_1	$-1.30775362 \times 10^{-2}$	$T_{10^{11}}$ (°C)		600	0.998	0.997
A_2	$1.81084716 \times 10^{-2}$	$\alpha_{20-120} \tau (10^{-7}/K)$	79	550	0.998	0.997
A_3	$2.31573055 \times 10^{-3}$	$\alpha_{100-200} \tau (10^{-7}/K)$	90	500	0.997	0.994
A_4	$-2.64961402 \times 10^{-4}$	λ (W/m · K)		480	0.996	0.992
A_5	$2.07458046 \times 10^{-5}$	Mechanical Properties		460	0.994	0.988
Deviation of Relative Partial Dispersions ΔP from the "Normal Line"		H_K (10^7 Pa)	607	440	0.991	0.983
ΔP_{Fe}	0.0000	F_A		420	0.985	0.970
$\Delta P_{g,F}$	0.0024	E (10^7 Pa)	8344	400	0.960	0.921
Temperature Coefficients of Refractive Index		G (10^7 Pa)	3393	390	0.922	0.85
Rang of Temperature	dn/dt relative ($10^{-6}/^\circ C$)	μ	0.229	380	0.83	0.69
		B ($10^{-12}/Pa$)		370	0.62	0.39
-40~-20	t C' d e F' g	ρ (g/cm^3)	2.67	360	0.24	0.06
-20~0		Other Properties		350		
0~20		Coloration Code		340		
20~40		λ_{20} / λ_s		330		
40~60				320		
60~80				310		
				300		
				290		
				280		