

1.59 POLYCARBONATE SEMI-FINISHED SINGLE VISION 75MM

0.50
9.75

DIAMETER	NOMINAL CURVE		REFERENCE		FRONT SURFACE				BACK SURFACE				RX RANGE RECOMMENDED
	FRONT	BACK	CT	ET	SAG 40	RADIUS	TRUE CURVE		RADIUS	TRUE CURVE		SAG 40	
							1.530	1.586		1.523	1.53		
75mm	50	5.70	8.50	15.00	0.170	0.170	0.449	0.497	102.807	5.155	5.700	1.964	-9.25D / -12.00D
75mm	100	5.70	8.00	13.70	0.427	0.427	1.129	1.249	102.807	5.155	5.700	1.964	-9.00D / -7.25D
75mm	200	5.70	7.50	11.70	0.767	0.767	2.034	2.244	102.807	5.155	5.700	1.964	-7.00D / -5.25D
75mm	300	5.70	7.00	10.20	1.113	1.113	2.940	3.251	102.807	5.155	5.700	1.964	-5.00D / -3.25D
75mm	400	5.70	7.20	8.60	1.545	1.545	4.070	4.500	102.807	5.155	5.700	1.964	-3.00D / 0.00D
75mm	525	5.70	8.00	8.00	1.982	1.982	5.200	5.749	102.807	5.155	5.700	1.964	+0.25D / +2.00D
75mm	625	5.70	8.50	7.00	2.400	2.400	6.330	6.998	102.807	5.155	5.700	1.964	+2.25D / +4.00D
75mm	750	5.70	9.00	5.20	2.800	2.800	7.459	8.248	102.807	5.155	5.700	1.964	+4.25D / +5.00D
75mm	850	5.70	9.90	4.50	3.236	3.236	8.600	9.508	102.807	5.155	5.700	1.964	+5.25D / +8.00D
75mm	975	5.70	11.70	4.00	3.656	3.656	9.613	10.628	102.807	5.155	5.700	1.964	+8.25D / +10.00D

1.59 POLYCARBONATE UV420 SEMI-FINISHED SINGLE VISION 75MM



0.50
9.75

75mm	50	5.70	8.50	15.00	0.170	0.170	0.449	0.497	102.807	5.155	5.700	1.964	-9.25D / -12.00D
75mm	100	5.70	8.00	13.70	0.427	0.427	1.129	1.249	102.807	5.155	5.700	1.964	-9.00D / -7.25D
75mm	200	5.70	7.50	11.70	0.767	0.767	2.034	2.244	102.807	5.155	5.700	1.964	-7.00D / -5.25D
75mm	300	5.70	7.00	10.20	1.113	1.113	2.940	3.251	102.807	5.155	5.700	1.964	-5.00D / -3.25D
75mm	400	5.70	7.20	8.60	1.545	1.545	4.070	4.500	102.807	5.155	5.700	1.964	-3.00D / 0.00D
75mm	525	5.70	8.00	8.00	1.982	1.982	5.200	5.749	102.807	5.155	5.700	1.964	+0.25D / +2.00D
75mm	625	5.70	8.50	7.00	2.400	2.400	6.330	6.998	102.807	5.155	5.700	1.964	+2.25D / +4.00D
75mm	750	5.70	9.00	5.20	2.800	2.800	7.459	8.248	102.807	5.155	5.700	1.964	+4.25D / +5.00D
75mm	850	5.70	9.90	4.50	3.236	3.236	8.600	9.508	102.807	5.155	5.700	1.964	+5.25D / +8.00D
75mm	975	5.70	11.70	4.00	3.656	3.656	9.613	10.628	102.807	5.155	5.700	1.964	+8.25D / +10.00D

TECHNICAL INFORMATION

Material	Polycarbonate	Abbe Value	31
Refractive Index	1.591	Specific Gravity	1.2
UV Cut	380/420	Spheric Lens	✓

COATING AVAILABLE









1.59 POLYCARBONATE SEMI-FINISHED SINGLE VISION 80MM

8.25 ← 4.00

DIAMETER	NOMINAL CURVE		REFERENCE		FRONT SURFACE						BACK SURFACE						RX RANGE RECOMMENDED
	FRONT	BACK	CT	ET	SAG		RADIUS	ACTUAL CURVE			SAG	RADIUS	ACTUAL CURVE				
					40	50		1.523	1.530	1.586			50	1.523	1.530	1.586	
80mm	400	6.25	8.80	12.60	2.422	1.545	130.221	4.016	4.070	4.500	3.770	84.800	6.17	6.25	6.91	-4.00D / 0.00D	
80mm	625	6.25	8.10	8.00	3.819	2.400	83.728	6.246	6.330	6.998	3.770	84.800	6.17	6.25	6.91	+2.25D / +4.00D	
80mm	825	7.50	9.00	6.60	5.299	3.236	61.628	8.486	8.600	9.508	4.560	70.667	7.40	7.50	8.29	+5.25D / +8.00D	

TECHNICAL INFORMATION

 Material	Polycarbonate	 Abbe Value	31
 Refractive Index	1.591	 Specific Gravity	1.2
 UV Cut	380	 Spheric Lens	✓

COATING AVAILABLE

