



Acuity Material Specifications

Sessile drop method¹

Advance/receding method²

*ISO/FATT Method

Material	Acuity 200	Acuity 181	Acuity 100	Acuity 85	Acuity 58	Acuity 18
USAN	fluoroxofocon A	tisilfocon A	hexafocon A	oprifocon A	enlufocon B	enlufocon A
DK*	200	181	111	115	58	21
Tangible® Hydra-PEG	✓		✓			
Refractive Index	1.430	1.434	1.415	1.422	1.429	1.445
Specific Gravity	1.18	1.22	1.27	1.23	1.24	1.22
Hardness (Shore D)	79	81	80	81	81	84
Modulus	1194 MPa	1488 MPa	1496 MPa	1378 MPa	1568 MPa	1739 MPa
Wetting Angle	48 ¹	95 ¹	79 ¹ / 23 ²	103 ¹ / 35 ²	98 ¹ / 29 ²	88 ¹ / 24 ²
Light Transmittance	89	87	89	88	89	81

Lagado Material Specifications



Sessile drop method¹
Advance/receding method²
*ISO/FATT Method

Material	TYRO	ONSI	FLOSI	SA32	SA18
USAN	holocon A	onsificon A	wilofocon A	kolfocon B	kolfocon A
DK*	97	56	26	32	18
Tangible® Hydra-PEG	✓				
Refractive Index	1.440	1.452	1.455	1.467	1.469
Specific Gravity	1.09	1.21	1.12	1.10	1.26
Hardness (Shore D)	82	85	88	86	87
Modulus	1445 MPa	1559 MPa	2138 MPa	1792 MPa	2680 MPa
Wetting Angle	<25° ¹	<10° ¹	<25° ¹	<25° ¹	<25° ¹
Light Transmittance	86	88	87	86	86