Table 2: Parameters for Cross model and the extent of shear thinning for Group A

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SAMPLE** | **MODEL** | **η0 (mPas)** | **ηꚙ (mPas)** | **K** | **n** | **r** | **RSTI** |
| SYSTANE® GEL | Cross | 1693 | 29.34 | 0.169 | 0.7762 | 0.999 | 0.9827 |
| I-DROP® MGD | Cross | 345.6 | 5.71 | 0.3386 | 0.4803 | 0.9996 | 0.9835 |
| HYDRASENSE® GEL | Cross | 126.1 | 7.25 | 0.04775 | 0.7219 | 1.00 | 0.9425 |
| VISMED® GEL | Cross | 102.6 | 1.86 | 0.04065 | 0.6766 | 0.9984 | 0.9819 |
| I-DROP® PUR GEL | Cross | 99.38 | 6.08 | 0.03731 | 0.7184 | 1.00 | 0.9389 |
| HYLO® GEL | Cross | 130 | 14.87 | 0.02423 | 1.00 | 0.9474 | 0.8856 |
| HYLO® | Cross | 83.41 | 9.02 | 0.02594 | 0.8734 | 0.9999 | 0.8919 |
| HYLO® DUAL | Cross | 21.45 | 4.16 | 0.01358 | 1.008 | 0.9998 | 0.8062 |

η0 = zero shear viscosity, the viscosity at the first, low shear, Newtonian plateau, ηꚙ = high shear viscosity at the
second, high shear Newtonian plateau. K and n = constants, r = correlation coefficient between the Cross model used
and the measured data. RSTI = Relative Shear Thinning Index; an indication of how much the measured fluid
shear thins compared to its original viscosity [RSTI = (η0 - ηꚙ)/η0].