

High-Temperature Viscosity Standards

This table presents nominal data. Actual values, provided with each standard, may vary slightly from lot to lot and formulations are subject to change. If your application requires close conformity with published nominal values, please contact technical service to obtain the actual viscosity values associated with the current formulation.

Nominal viscosity values of high-temperature viscosity standards

Catalog Number	Viscosity Standard	Type	ASTM Methods	Dynamic viscosity in mPa • s (cP)		
				80 ° C	100 ° C	150 ° C
9727-U45	HT22*	Newtonian	D5481	—	3. 5	1. 5
9727-U50	HT39*	Newtonian	D5481	—	4. 7	2. 0
9727-U55	HT75*	Newtonian	D5481	—	7. 0	2. 7
9727-U60	HT150*	Newtonian	D5481	—	10. 5	3. 7
9727-U65	HT240*	Newtonian	D5481	—	15. 4	5. 0
9727-U70	HT390*	Newtonian	D5481	—	23. 5	7. 0
9727-U92	HTNN-1†	Non-Newtonian	D5481, D4741, D4683	—	—	3. 6
9727-U94	HTNN-2†	Non-Newtonian	D5481, D4741, D4683	—	—	3. 1
9727-R05. 32	HT22*¥	Newtonian	D4741	—	3. 5	1. 5
9727-R10. 032	RL 102*¥	Newtonian	D4741	8. 4	4. 1	1. 8
9727-R15. 032	RL 103*¥	Newtonian	D4741	12. 8	6. 1	2. 4
9727-R20. 032	RL 104*¥	Newtonian	D4741	18. 0	9. 8	3. 6
9727-R25. 032	RL 105*¥	Newtonian	D4741	25. 5	12. 8	4. 4
9727-R30. 032	RL 106*¥	Newtonian	D4741	26. 9	15. 3	5. 2
9727-R35. 032	RL 107*¥	Newtonian	D4741	36. 8	17. 4	5. 8
9727-R62. 032	RL 232†¥	Non-Newtonian	D5481, D4741, D4683	—	6. 2	3. 2
9727-P10	R-100*‡	Newtonian	D4683, D6616	3. 5	2. 4	1. 2
9727-P15	R-200/R-2200*‡	Newtonian	D4683, D6616	5. 1	3. 4	1. 5
9727-P20	R-300/R-2300*‡	Newtonian	D4683, D6616	8. 0	4. 8	1. 8
9727-P25	R-350/R-2350*‡	Newtonian	D4683, D6616	12. 5	7. 2	2. 7
9726-P30	R-400/R-2400*‡	Newtonian	D4683, D6616	18. 1	10. 0	3. 6
9727-P35	R-450/R-2450*‡	Newtonian	D4683, D6616	24. 0	13. 5	4. 1
9727-P40	R-500*‡	Newtonian	D4683, D6616	27. 0	14. 5	5. 0
9727-P45	R-600*‡	Newtonian	D4683, D6616	46. 0	23. 5	7. 0

* Density values provided at all test temperatures for indicated standard

† Data provided at an apparent shear rate of 1 x 106s-1

¥ Sold in 1 liter can only

Λ Sold in 0.5 liter, 1 liter and 4 liter sizes

‡ Viscosity data also provided at 40 °C and 120 °C