

PolyFox[®] Reactive Polymer Intermediates

Typical Physical Properties*

Property	PF-636	PF-6320	PF-656	PF-6520	PF-151N	PF-154N	PF-159	PF-7002
Polymer Type	Polyether Diol	Polyether Diol	Polyether Diol	Polyether Diol	Polyether Diol	Polyether Diol	Polyether Diol	Polyether Diol
Fluorinated side chain	- CF ₃	- CF ₃	- C ₂ F ₅	- C ₂ F ₅	- C ₂ F ₅	- C ₂ F ₅	- C ₂ F ₅	- C ₄ F ₉
DP †	6	20	6	20	6	6	6	4
wt% polymer	100	100	100	100	50	25	100	100
pH	6.0	6.0	6.5	7.0	4.5	4.5	4.5	6 - 7
Molecular Weight (g/mol)	1150	3480	1490	4480	2815	3464	3300	1670
wt% F (g F/100 g polymer)	27.6	29.9	34.7	39.3	24.5	19.5	15.4	46.0
Hydroxyl Functionality	di	di	di	di	di	di	di	di
Hydroxyl Equivalent Weight (g/mol)	564	1740	746	2240	1408	1732	1652	750
Hydroxyl Number (mg KOH/g)	99.5	32.2	75.2	25.0	39.9	32.4	34.0	67.2
Refractive Index	1.405	1.419	1.387	1.381	1.421	NA	1.435	1.385
Specific Gravity (lbs/gal)	10.0	10.2	10.6	10.9	9.7	8.8	9.5	11.3
Viscosity @ 77°F (cps)	1500	5300	2000	5800	700	50	1480	1500

Notes:

* Not actual product specifications

† Degree of Polymerization

NOTE:

Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such a use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.



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