



Typical Properties of Epolene[®] Polymers^a

Product	Polymer Type	Ring & Ball	Mettler	Penetration	Density	Acid	Brookfield Thermosel Viscosity, cP				Melt	Gardner Color	Cloud Point, °C ^c
		Softening Point, °C	Drop Point, °C	Hardness, dmm	@ 25°C, g/cm ³		125°C (257°F)	140°C (284°F)	150°C (302°F)	190°C (374°F)	Index 190°C		
ASTM Method		E-28	D-3954	D-1321	D-4883	D1386	D-3226				D-1238	D-1544	D2500
Coating Grade - Highly Branched Medium Molecular Weight													
C-10	PE	102	103	3	0.906	<0.05	18,600	16,650	8,200	3,550	2,250	1	77
C-12	PE	96 ^e	118	2	0.907	<0.05	212,000	125,000	91,700	31,400	400	1	-
C-13	PE	110	137	3	0.913	<0.05	-	-	-	-	190	1	81
C-15	PE	101	101	4	0.906	<0.05	8,950	6,100	4,200	1,800	4,200	1	75
C-16	Ma-PE	102	103	3	0.908	2	16,650	10,000	8,100	2,850	1,700	1	78
C-17	PE	133	>133	2	0.917	<0.05	- ^b	-	-	-	19	1	81
C-18	Ma-PE	101	101	4	0.905	2	7,750	5,000	4,100	1,550	4,200	1	71
C-19	Ma-PE	101	101	4	0.903	5	10,360	6,335	4,740	1,750	-	1	-
C-23	PE	101 ^e	108	3	0.909	<0.05	-	785,000	540,000	180,000	80	1	-
C-26	Ma-PE	122 ^e	133	<1	0.917	8	-	-	-	-	8	8	-
C-70	Ma-PE	121 ^e	123	<1	0.905	5	-	-	-	16,100	500	2	-
Nonemulsifiable - Low Molecular Weight													
N-10	PE	108	110	2	0.925	<0.05	1,500	1,100	-	-	-	1	82
N-11	PE	107	111	2	0.921	<0.05	350	250	-	-	-	1	80
N-14	PE	108	108	3	0.920	<0.05	150	100	-	-	-	1	80
N-15	PP	163	164	<1	0.902	<0.05	- ^b	- ^b	- ^b	700	-	1	104
N-21	PE	120	121	<1	0.950	<0.05	600	400	350	-	-	1	87
N-30	PE	110	110	2	0.924	<0.05	1,050	700	-	-	-	1	-
N-34	PE	104	104	5	0.910	<0.05	450	300	-	-	-	1	76
N-35	PE	104	104	3	0.913	<0.05	700	-	-	-	-	1	-
Emulsifiable - Oxidized Low Molecular Weight													
EE-2	Ox-PE	111	112	<1	0.960	17	1,500	900	-	-	-	1	-
E-10	Ox-PE	106	105	2	0.942	17	800	525	-	-	-	1	-
E-14	Ox-PE	104	104	4	0.939	17	375	-	-	-	-	1	-
E-14E	Ox-PE	104	104	4	0.939	17	225	160	-	-	-	1	-
E-16	Ox-PE	102	105	4	0.943	17	700	500	-	-	-	1	-
E-20	Ox-PE	111	112	<1	0.960	17	1,500	900	-	-	-	1	-
Chemically Modified PP													
E-25	Ma-PP	157 ^e	160	<1	0.921	25	- ^b	- ^b	- ^b	300	-	9	-
E-43	Ma-PP	158 ^e	160	<1	0.934	45	- ^b	- ^b	- ^b	300	-	9	-

^aTypical properties are reported for information only. These figures are average values for typical production material and should not be construed as specifications.

^bSolid at this temperature

^c2% in 54°C (130°F) paraffin

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^dNeedle under 100 ~ g load for 5s@ 25°C, tenths of mm

^eDSC Tm, °C

^fRun on pellets