Kraton™ G SEP(S)/EP Polymer Grades

Property	G1701	G1702	G1730	G1750	G1765
					Oiled
Tensile Strength, MPa[1,2]	2	2	20	<0.3	<0.3
300% Modulus, MPa[1,2]	-	-	-	-	-
Elongation at Break, %[1,2]	<100	<100	>800	100	120
Hardness (10s), Shore A[3]	64	41	61	11	12
Specific Gravity	0.92	0.91	0.9	0.86	0.86
Brookfield Viscosity, mPa.s (or cps)					
25% w[4]	>50,000	50,000	2,000	8,700	12,800
15% w[4]	-	280	35	140	1,805
Melt Flow Rate (MFR), g/10 min					
200 °C /5kg	<1	<1	3	8	4
230°C/5kg	<1	<1	11	-	-
Styrene/Rubber Weight Ratio[5]	37/63	28/72	20/80	0/100	0/100
Diblock Content, %[5]	100	100	<1	-	-
Polymer Structure[5]	Diblock	Diblock	Linear	Star	Star
Oil Content, %w	-	-	-	-	12
Physical Form	Powder	Powder	Dense Pellet	Bale	Bale
Comments[6]	FDA	FDA	FDA	FDA	FDA

(1) ASTM method D412 tensile.
(2) Typical properties determined on film cast from toluene solution.
(3) Typical values on polymer compression molded at 200-230°C.
(4) Neat polymer concentration in toluene at 25 °C.
(5) Related to SBC polymer fraction.
(6) For specific FDA clearances, letters will be provided upon request.

These are typical values and should not be used to set specifications.

Kraton™ G ERS Polymer Grades

Property	G1640	G1641	G1642	G1643	G1645	G1646	MD1648
				ERS			
Tensile Strength, MPa[1,2]	>20	>17	>21	>10	10	13	11
300% Modulus, MPa[1,2]	4.5	4.3	-	-	-	0.8	-
Elongation at Break, %[1,2]	>800	>800	>1,200	>600	600	1400	750
Hardness (10s), Shore A[3]	60	58	48	52	35	41	52
Specific Gravity	0.91	0.91	0.9	0.9	0.89	0.94	0.90
Brookfield Viscosity, mPa.s (or cP)							
25% w[4]	>50,000	>50,000	1,300	210	650	-	90
15% w[4]	1,500	650	-	-	-	-	-
Melt Flow Rate (MFR), g/10 min							
230°C/2,16kg	<1	<1	<1	19	3.5	12.0	220
230°C/5kg	<1	<1	<1	75	13		-
Styrene/Rubber Weight Ratio[5]	32/68	33/67	21/79	19/81	13/87	13/87	20/80
Diblock Content, %[5]	<1	<1	<1	7	7	<5	7
Polymer Structure[5]	Linear	Linear	Linear	Linear	Linear	Radial	Linear
Oil Content, %w	-	-	-	-	-	-	-
Physical Form	Fluffy Crumb	Powder	Powder	Dense Pellet	Dense Pellet	Pellet	Dense Pellet
Comments[6]	FDA	FDA	FDA	FDA	FDA	-	FDA

(1) ASTM method D412 tensile.
(2) Typical properties determined on film cast from toluene solution.
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