

Kraton™ A Polymer Grades

Property	A1535	A1536	MD6951
Tensile Strength, MPa ^{1,2}	28	>34	18 ⁽³⁾
300% Modulus, MPa ^{1,2}	7.9	6.4	3 ⁽³⁾
Elongation at Break, % ^{1,2}	>600	660	750 ⁽³⁾
Hardness (10s), Shore A ³	83	65	46
Specific Gravity	0.96	0.93	-
Brookfield Viscosity, mPa.s (or cps)			
25% w ⁴	-	-	380
15% w ⁴	1,600	465	-
Melt Flow Rate (MFR), g/10 min			
230°C/2,16kg	<1	<1	48
230°C/5kg	<1	3	-
Styrene/Rubber Weight Ratio ⁵	58/42	42/58	35/65
Diblock Content, % ⁵	<1	<1	7
Polymer Structure ⁵	Linear	Linear	Linear
Oil Content, %w	-	-	-
Physical Form	Powder	Powder	Dense Pellet
Comment ⁶	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™ FG Functionalized Polymer Grades

Property	FG1901	FG1924	MD6684
Tensile Strength, MPa ^{1,2}	35	20	>20
300% Modulus, MPa ^{1,2}	5	2.5	4.5
Elongation at Break, % ^{1,2}	500	750	>800
Hardness (10s), Shore A ³	75	50	60
Specific Gravity	0.92	-	0.91
Brookfield Viscosity ⁴ , mPa.s (or cP)			
25%w ⁴	-	-	-
10%w ⁴	100	300	-
Melt Flow Rate (MFR), g/10 min			
200°C/5kg	5	11	10
230°C/5kg	-	-	10
Styrene/Rubber Weight Ratio ⁵	30/70	13/87	30/70
Diblock Content, % ⁵	-	30	-
Polymer Structure ⁵	Linear	Linear	Linear
Bound MA Content, %w	1.7	1	1
Physical Form	Dense Pellet	Dense Pellet	Powder
Comments ⁶	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 177 °C.
(4) Typical values on polymer compression molded at 177 °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.