

## Kraton™ D SIBS Polymer Grades

Property	D1171
Note Tensile Strength, MPa <sup>1,2</sup>	9
300% Modulus, MPa <sup>1,2</sup>	2.1
Elongation at Break, % <sup>1,2</sup>	1,250
Set at Break, % <sup>1,2</sup>	-
Hardness (10 sec), Shore A <sup>3</sup>	45
Specific Gravity	0.92
Brookfield Viscosity, mPa.s (or cP)	
25%w <sup>4</sup>	1,000
Melt Flow Rate (MFR), g/10 min	
200°C/5kg	11
Styrene/Rubber Weight Ratio	20/80
Diblock, %	26
Polymer Structure	Linear
Physical Form	Dense Pellet
Comments <sup>5</sup>	FDA

(1) ASTM method D412.  
(2) Typical properties determined on film cast from toluene solution.  
(3) Typical values on polymer compression molded at 170-200 °C.  
(4) Neat polymer concentration in toluene, 25 °C.  
(5) For specific FDA clearances, letters will be provided upon request.

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

## Kraton™ D SBS Polymer Grades

Property	D1101	D1102	D1116	D1118	D1152	D1155	MD1156
Tensile Strength, MPa <sup>1,2</sup>	32	26	32	2	29	28	31
300% Modulus, MPa <sup>1,2</sup>	2.8	3.8	2.4	1.2	4.1	2.9	
Elongation at Break, % <sup>1,2</sup>	880	1,100	900	600	1,100	800	800
Set at Break, % <sup>1,2</sup>	10	10	10	40	10	-	
Hardness (10s), Shore A <sup>3</sup>	72	63	63	74	70	87	
Specific Gravity	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Brookfield Viscosity, mPa.s (or cP)							
25% w <sup>4</sup>	4,000	1,000	9,000	630	1,200	600	600
15% w <sup>4</sup>	-	-	-	-	-	-	-
Melt Flow Rate (MFR), g/10 min							
200 °C /5kg	<1	14	<1	10	7	11	8
Styrene/Rubber Weight Ratio <sup>5</sup>	31/69	29/71	23/77	33/67	30/70	40/60	40/60
Diblock Content, % <sup>5</sup>	16	17	16	78	15	<1	<1
Polymer Structure <sup>5</sup>	Linear	Linear	Radial	Diblock	Linear	Linear	Linear
Oil Content, %w	-	-	-	-	-	-	-
Physical Form	Porous Pellet / Powder	Porous Pellet	Porous Pellet / Powder	Porous Pellet / Powder	Porous Pellet	Porous Pellet	Porous Pellet
Comments <sup>6</sup>	FDA	FDA	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 170-200 °C.  
(4) Neat polymer concentration in toluene, 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.



	D1157	D1184	D1189	D0243	D0246	D1191	D1192	D4150	D4153	D4270
								Oiled		
	28	28	-	2		-	-	19 <sup>(3)</sup>	10 <sup>(3)</sup>	12 <sup>(3)</sup>
	2.9	5.5	-	1		-	-	1,1 <sup>(3)</sup>	2,5 <sup>(3)</sup>	1,9 <sup>(3)</sup>
	800	820	-	-		-	-	1,400 <sup>(3)</sup>	1,000 <sup>(3)</sup>	1,100 <sup>(3)</sup>
	-	10	-	-		-	-	25	15	-
	70	74	68	70	70	70	70	45	45	46
	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.92	0.94	0.94
	1,600	>20,000	-	315		>20,000	1,500	-	-	-
	-	1,100	650	-		700	-	-	-	-
	5	<1	<1	20		<1	<1	10	30	15
	29/71	31/69	32/68	33/67	26/74	33/67	30/70	31/69	35/65	32/68
	<1	16	16	75	55	18	<1	-	-	-
	Linear	Radial	Radial	Diblock	Diblock	Radial	Linear	Linear	Linear	Radial
	-	-	-	-		-	-	33	30.5	31
	Porous Pellet	Porous Pellet / Powder	Porous Pellet / Powder	Porous Pellet	Porous Pellet	Porous Pellet / Powder	Porous Pellet / Powder	Porous Pellet	Porous Pellet	Porous Pellet
	FDA	FDA	FDA	FDA	FDA	FDA	FDA	FDA	FDA	-