



	Somos® 8120	Somos® 9420	Accura® 25	Accura® Xtreme	Somos® ProtoGen™ 18420	RenShape® SL 7820	Somos® WaterShed® XC 11122	Somos® NeXt	Accura® 60
	← More Flexible More Stiff →								
<i>Properties similar to</i>	<i>Polyethylene</i>	<i>Polypropylene</i>	<i>Polypropylene</i>	<i>PP/ABS Blend</i>	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>	<i>Polycarbonate</i>
<i>Natural Appearance</i>	<i>Semi-Translucent</i>	<i>Off White</i>	<i>Off White</i>	<i>Grey</i>	<i>White</i>	<i>Dark Brown to Black</i>	<i>Transparent (Near Colorless)</i>	<i>White</i>	<i>Transparent (Blue)</i>
<i>Flexural Modulus</i>	100 ksi	110-130 ksi	200-240 ksi	220-300 ksi	289-309 ksi	290-348 ksi	296-344 ksi	331-333 ksi	392-435 ksi
<i>Flexural Strength</i>	3800 psi	3500-4400 psi	7960-8410 psi	7540-10300 psi	9700-10200 psi	8500-11100 psi	9152-10756 psi	9800-9900 psi	12620-14650 psi
<i>Elongation at Break</i>	27%	-	13-20%	14-22%	8-16%	8-18%	11-20%	8-10%	5-13%
<i>Elongation at Yield</i>	-	25-30%	-	-	-	-	-	3%	-
<i>Impact Strength (Notched Izod)</i>	1.1 ft-lb/in	0.82-0.90 ft-lb/in	0.4 ft-lb/in	0.66-0.98 ft-lb/in	0.37-0.41 ft-lb/in	0.79-0.91 ft-lb/in	0.4-0.6 ft-lb/in	0.88-0.97 ft-lb/in	0.3-0.5 ft-lb/in
<i>Tensile Strength</i>	3800 psi	2450-2900 psi	5450-5570 psi	5510-6380 psi	6100-6400 psi	5200-7400 psi	6831-7774 psi	6400-6600 psi	8410-9860 psi
<i>Tensile Modulus</i>	40-102 ksi	80-120 ksi	230-240 ksi	260-287 ksi	316-336 ksi	274-348 ksi	384-418 ksi	343-361 ksi	390-450 ksi
<i>Hardness (Shore D)</i>	76	70-74	80	-	87-88	86	-	82	86
<i>Heat Deflection Temp (@66 psi)</i>	129 F	117-122 F	136-145 F	144 F	127-133 F	124 F	115-130 F	131-134 F	127-131 F
<i>Heat Deflection Temp (@264 psi)</i>	-	97-100 F	124-131 F	129 F	114-116 F	-	120 F	119-124 F	118-122 F
<i>Glass Transition (Tg)</i>	-	135-140 F	140 F	-	135-138 F	144 F	102-109 F	109-115 F	136 F
<i>Heat Deflection Temp after Thermal Postcure (@66psi)</i>	-	-	-	-	199-208 F	-	-	-	-
<i>Capacity</i>	Viper, Viper HR (Half-Vat Only)	Viper, Viper HR	iPro 9000	Viper, Viper HR, iPro 8000	Viper, Viper HR	Viper, Viper HR	Viper, Viper HR	Viper, Viper HR, SLA5000	Viper, Viper HR, SLA5000