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## Material Data Sheet

**Material:** *Delta® D -100*  
**Generic:** *Acrylonitrile Butadiene Styrene*  
**Manufacturer:** *Grand Pacific Petrochemical Corp.*

<b>Property</b>	<b>Data</b>	<b>Units</b>	<b>ASTM</b>
<b>GENERAL</b>			
Ratings	NSF		
Features	General Purpose Ultra High impact Toughness, Excellent		
Form	Pellets		
Processing Method	Extrusion		
Uses			
<b>PHYSICAL</b>			
Melt Flow Rate	0.4 (200°C/5kg)	g/10 min	D-256
Specific Gravity	1.03		D-792
Mold Shrinkage	0.42	%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	2.77	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	9.4	psi x 10 <sup>3</sup>	D-790
Tensile Modulus	2.28	psi x 10 <sup>5</sup>	D-790
Tensile Elongation	29	%	D-638
Tensile Strength @ Yield	5.5	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	10	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	95	R-Scale	D-785
<b>THERMAL</b>			
HDT @264 psi-unannealed	187	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating - UL	HB		

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