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## Material Data Sheet

**Material:** *Delta® D -1000S*  
**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	UL94 V-0/5VA		
Features	Flame Retardant Melt Flow, Good		
Form	Pellets		
Processing Method	Injection/Extrusion		
<b>PHYSICAL</b>			
Melt Flow Rate	4.5(200°C/5kg)	g/10 min	D-256
Specific Gravity	1.18		D-792
<b>MECHANICAL</b>			
Flexural Modulus	3.2	psi x 10 <sup>5</sup>	D-790
Flexural Strength @ Yield	9.95	psi x 10 <sup>3</sup>	D-790
Tensile Elongation	18	%	D-638
Tensile Strength @ Yield	6.19	psi x 10 <sup>3</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact (1/8")	4.2	ft-lb/in	D-256A
Notched Izod Impact (1/4")	3.6	ft-lb/in	D-256A
<b>HARDNESS</b>			
Rockwell Hardness	100	R-Scale	D-785
<b>THERMAL</b>			
HDT @264 psi-unannealed	176	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating (1/8")	5VA		UL-94
Flame Rating (1/10")	V-0		UL-94

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