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## Material Data Sheet

**Material:** *Acrylic HI835HS*  
**Generic:** *Impact Resistant Acrylic*  
**Manufacturer:** *LG Chemical*

<b>Property</b>	<b>Data</b>	<b>Units</b>	<b>ASTM</b>
<b>GENERAL</b>			
Ratings	UL 94HB		
Features	Impact Resistant High Clarity		
Form	Pellets		
Processing Method	Injection/Extrusion		
<b>PHYSICAL</b>			
Melt Flow Rate (230°C/3.8kg)	0.9	g/10 min	D-1238
Specific Gravity	1.17		D-792
Total Light Transmittance	90	%	D-1003
Mold Shrinkage	0.4-0.8	%	D-955
<b>MECHANICAL</b>			
Flexural Modulus	198,864	psi	D-790
Flexural Strength @ Yield	7,955	psi	D-790
Tensile Elongation	120	%	D-638
Tensile Strength @ Yield	4,688	kg/cm <sup>2</sup>	D-638
<b>IMPACT</b>			
Notched Izod Impact 1/8 in.	1.1	ft-lb/in	D-256
<b>HARDNESS</b>			
Rockwell Hardness	44	M-Scale	D-785
<b>THERMAL</b>			
HDT 18.6kg annealed	180	°F	D-648
<b>FLAMMABILITY</b>			
Flame Rating - UL	94HB		

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