

# CS Hyde Company

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## PRODUCT INFORMATION

### 44-\_\_F ABS Film CYCOLAC™ EXABS01

	Nominal Value	Unit	Test Method
<b>Physical</b>			
<a href="#">Specific Gravity</a>	1.03		ASTM D792
<a href="#">Melt Volume-Flow Rate (MVR)</a> (220°C/10.0 kg)	0.244	in <sup>3</sup> /10min	ISO 1133
<a href="#">Molding Shrinkage</a> - Flow (0.126 in)	6.0E-3 to 8.0E-3	in/in	Internal Method
<b>Mechanical</b>	Nominal Value	Unit	Test Method
<a href="#">Tensile Modulus</a> <sup>2</sup>	295000	psi	ASTM D638
<a href="#">Tensile Strength</a> <sup>3</sup> (Yield)	5700	psi	ASTM D638
<a href="#">Tensile Strength</a> <sup>3</sup> (Break)	4200	psi	ASTM D638
<a href="#">Tensile Elongation</a> <sup>3</sup> (Yield)	3.1	%	ASTM D638
<a href="#">Tensile Elongation</a> <sup>3</sup> (Break)	32	%	ASTM D638
<a href="#">Flexural Modulus</a> <sup>4</sup> (1.97 in Span)	305000	psi	ASTM D790
<a href="#">Flexural Strength</a> <sup>4</sup> (Yield, 1.97 in Span)	9200	psi	ASTM D790
<b>Impact</b>	Nominal Value	Unit	Test Method
<a href="#">Notched Izod Impact</a>			ASTM D256
-22°F	5.2	ft·lb/in	
73°F	7.7	ft·lb/in	
<a href="#">Instrumented Dart Impact</a> (73°F, Total Energy)	295	in·lb	ASTM D3763
<b>Thermal</b>	Nominal Value	Unit	Test Method
<a href="#">Deflection Temperature Under Load</a> (66 psi, Unannealed, 0.126 in)	200	°F	ASTM D648
<a href="#">Deflection Temperature Under Load</a> (264 psi, Unannealed, 0.126 in)	177	°F	ASTM D648
<a href="#">Vicat Softening Temperature</a>	224	°F	ASTM D1525 <sup>5</sup>
<a href="#">CLTE</a> - Flow (-40 to 104°F)	5.6E-5	in/in/°F	ASTM E831
<a href="#">CLTE</a> - Transverse (-40 to 104°F)	5.8E-5	in/in/°F	ASTM E831
<a href="#">RTI Elec</a>	140	°F	UL 746
<a href="#">RTI Imp</a>	140	°F	UL 746
<a href="#">RTI Str</a>	140	°F	UL 746
<b>Electrical</b>	Nominal Value	Unit	Test Method
<a href="#">Arc Resistance</a> <sup>6</sup>	PLC 5		ASTM D495
<a href="#">Comparative Tracking Index (CTI)</a>	PLC 0		UL 746
<a href="#">High Amp Arc Ignition (HAI)</a>	PLC 4		UL 746
<a href="#">High Voltage Arc Tracking Rate (HVTR)</a>	PLC 1		UL 746
<a href="#">Hot-wire Ignition (HWI)</a>	PLC 4		UL 746
<b>Flammability</b>	Nominal Value	Unit	Test Method
<a href="#">Flame Rating</a> (0.0600 in)	HB		UL 94
<b>Fill Analysis</b>	Nominal Value	Unit	Test Method
<a href="#">Melt Viscosity</a> (464°F, 100 sec <sup>-1</sup> )	1400	Pa·s	ASTM D3835

\*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.