

# Centrex ASA 833A.2A950 Genie

## LyondellBasell Industries - Acrylonitrile Styrene Acrylate

### General Information

#### Product Description

Centrex ASA 833A.2A950 Genie is a Acrylonitrile Styrene Acrylate + AES material and is typically used in Coextrusion, Extrusion, Profile Extrusion, Thermoforming applications. Features include: Good Melt Strength, Good Weather Resistance, High Gloss, High Impact Resistance, and UV Resistant.

#### General

Features	<ul style="list-style-type: none"> <li>• Good Melt Strength</li> <li>• Good Weather Resistance</li> </ul>	<ul style="list-style-type: none"> <li>• High Gloss</li> <li>• High Impact Resistance</li> </ul>	<ul style="list-style-type: none"> <li>• UV Resistant</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Marine Applications</li> <li>• Outdoor Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Sheet</li> <li>• Spas</li> </ul>	<ul style="list-style-type: none"> <li>• Thermoforming Applications</li> <li>• Water Sports Equipment</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>• Coextrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Extrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Profile Extrusion</li> </ul>

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	10	g/10 min	
230°C/3.8 kg	1.2	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (0.201 in)	294000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	5110	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	2.4	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup>	249000	psi	ASTM D790
Flexural Strength <sup>3</sup>	5210	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-22°F, 0.125 in	2.4	ft-lb/in	
0°F, 0.125 in	2.8	ft-lb/in	
73°F, 0.125 in	9.2	ft-lb/in	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in	159	°F	
CLTE - Flow (-40 to 104°F)	5.1E-5	in/in/°F	ASTM D696
CLTE - Transverse (-40 to 104°F)	9.4E-5	in/in/°F	ASTM D696
RTI Elec			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Str			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	

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<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.06 in		HB	
0.12 in		HB	

<b>Optical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Gloss (60°, High Gloss Surface, Untextured)	90 to 100		ASTM D2457

**Processing Information**

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	180 to 199	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Suggested Max Regrind	40	%
Melt Temperature	410 to 466	°F
Die Temperature	410 to 466	°F

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.20 in/min

<sup>3</sup> 0.051 in/min