



# Centrex ASA 825A 90249 UVWHI

## LyondellBasell Industries - Acrylonitrile Styrene Acrylate

### General Information

#### Product Description

Centrex ASA 825A 90249 UVWHI is a Acrylonitrile Styrene Acrylate material and is typically used in Extrusion, Sheet 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>• Extrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Sheet 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	12	g/10 min	
230°C/3.8 kg	3.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (0.201 in)	331000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	6400	psi	ASTM D638
Tensile Elongation (Yield)	2.7	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup>	305000	psi	ASTM D790
Flexural Strength <sup>3</sup>	7010	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-22°F, 0.125 in	1.7	ft-lb/in	
0°F, 0.125 in	2.1	ft-lb/in	
73°F, 0.125 in	3.9	ft-lb/in	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in	172	°F	
CLTE - Flow (-40 to 104°F)	4.5E-5	in/in/°F	ASTM D696
CLTE - Transverse (-40 to 39°F)	6.1E-5	in/in/°F	ASTM D696
RTI Elec			UL 746B
0.030 in	122	°F	
0.06 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.030 in	122	°F	
0.06 in	122	°F	
0.12 in	122	°F	

**Centrex ASA 825A 90249 UVWHI**  
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<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
RTI Str			UL 746B
0.030 in	122	°F	
0.06 in	122	°F	
0.12 in	122	°F	
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.030 in	HB		
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	%

**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