Centrex ASA 833A 010209WHI

LyondellBasell Industries - Acrylonitrile Styrene Acrylate

General Information

Product Description

Centrex ASA 833A 010209WHI 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	• Good Melt Strength • Good Weather Resistance	• High Gloss • High Impact Resistance	• UV Resistant
Uses	• Marine Applications • Outdoor Applications	• Sheet • Spas	• Thermoforming Applications • Water Sports Equipment
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	• Profile Extrusion

Properties [1]

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 [2] (Yield)	5110	psi	ASTM D638
Tensile Elongation [2] (Yield)	2.4	%	ASTM D638
Flexural Modulus - Tangent [3]	249000	psi	ASTM D790
Flexural Strength [3]	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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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°, High Gloss Surface, Untextured)	90 to 100		ASTM D2457

Processing Information

Extrusion	Nominal Value	Unit
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

[1] Typical properties: these are not to be construed as specifications.

[2] 0.20 in/min

[3] 0.051 in/min