Centrex® 833A

Acrylonitrile Styrene Acrylate + AES

Network Polymers, Inc.

Message:

Centrex®833A is an acrylonitrile-styrene-acrylate AES (ASA AES) product. It can be processed by co-extrusion molding, extrusion, thermoforming or profile extrusion molding, and is available in North America. Centrex®The application areas of 833A include sporting goods, thin plates, marine applications and outdoor applications.
Features include:
Comply with REACH standard
Comply with WEEE standard
ROHS certification
high gloss
Good UV resistance

General Information	
Features	Highlight Impact resistance, high Good UV resistance Good melt strength Good weather resistance
Uses	Water Sports Equipment Ship application Mineral spring recuperation supplies Sheet Outdoor application
Agency Ratings	EC 1907/2006 (REACH) EU 2002/96/EC (WEEE)
RoHS Compliance	RoHS compliance
Forms	Particle
Processing Method	Co-extrusion molding Extrusion Thermoforming Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	10	g/10 min	ASTM D1238
230°C/3.8 kg	1.2	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus [1]	2030	MPa	ASTM D638
Tensile Strength [2] (Yield)	35.2	MPa	ASTM D638
Tensile Elongation [3] (Yield)	2.4	%	ASTM D638
Flexural Modulus - Tangent [4]	1720	MPa	ASTM D790
Flexural Strength [5]	35.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	130	J/m	ASTM D256
-18°C, 3.18 mm	150	J/m	ASTM D256
23°C, 3.18 mm	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	70.5	°C	ASTM D648
Linear thermal expansion coefficient			ASTM D696
Flow: -40 to 40°C	9.2E-5	cm/cm/°C	ASTM D696
Lateral: -40 to 40°C	1.7E-4	cm/cm/°C	ASTM D696
Optical	Nominal Value		Test Method
Gloss (60 °, high-gloss surface, no texture)	90 - 100		ASTM D2457
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Melt Temperature	210 - 241	°C	
Die Temperature	210 - 241	°C	
Extrusion instructions			
Recommended Regrind: up to 40%Polish roll Top: Down stack 200°F, Up stack 200°FPolish roll Middle: Down stack 165°F, Up stack 190°FPolish roll Bottom: Down stack 200°F, Up stack 180°F			
NOTE			
1.	5.1 mm/min		
2.	5.1 mm/min		
3.	5.1 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


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