

Centrex® 825A

Acrylonitrile Styrene Acrylate
Network Polymers, Inc.

Message:

Centrex® 825A is an acrylonitrile-styrene-acrylate (ASA) product. It can be processed by extrusion, sheet extrusion or thermoforming, and is available in North America. Centrex® The application areas of 825A 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	Extrusion
	Sheet extrusion molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	12	g/10 min	ASTM D1238
230°C/3.8 kg	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2280	MPa	ASTM D638

Tensile Strength ² (Yield)	44.1	MPa	ASTM D638
Tensile Elongation (Yield)	2.7	%	ASTM D638
Flexural Modulus - Tangent ³	2100	MPa	ASTM D790
Flexural Strength ⁴	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	91	J/m	ASTM D256
-18°C, 3.18 mm	110	J/m	ASTM D256
23°C, 3.18 mm	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	77.7	°C	ASTM D648
Linear thermal expansion coefficient			ASTM D696
Flow: -40 to 40°C	8.1E-5	cm/cm/°C	ASTM D696
Lateral: -40 to 4°C	1.1E-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	204 - 243	°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.	1.3 mm/min		
4.	1.3 mm/min		

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