Centrex® 485CS

Acrylonitrile Styrene Acrylate

Network Polymers, Inc.

Message:

Centrex®485CS is an acrylonitrile-styrene-acrylate (ASA) product. It can be processed by co-extrusion, extrusion or thermoforming and is available in North America. Centrex®The application areas of 485CS include the automotive industry and outdoor applications.
Features include:
flame retardant/rated flame
Comply with REACH standard
Comply with WEEE standard
ROHS certification
low gloss

General Information	
Features	Gloss, low Good UV resistance Good melt strength Good weather resistance Medium impact resistance
Uses	Application in Automobile Field Car interior parts Automotive exterior parts Car exterior decoration Outdoor application
Agency Ratings	EC 1907/2006 (REACH) EU 2002/96/EC (WEEE)
RoHS Compliance	RoHS compliance
UL File Number	E150937
Forms	Particle
Processing Method	Co-extrusion molding Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	69		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus [1]	1450	MPa	ASTM D638
Tensile Strength [2] (Yield)	26.5	MPa	ASTM D638
Flexural Modulus - Tangent [3]	1380	MPa	ASTM D790
Flexural Strength [4]	38.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	43	J/m	ASTM D256
-18°C, 3.18 mm	64	J/m	ASTM D256
23°C, 3.18 mm	130	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
-30°C, Total Energy	6.00	J	ASTM D3763
-18°C, Total Energy	16.0	J	ASTM D3763
23°C, Total Energy	24.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	68.3	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525
CLTE - Flow	9.4E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss			ASTM D523
60° [5]	10		ASTM D523
60° [6]	20		ASTM D523
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	< 0.030	%	
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		
5.	Formed		
6.	Sheet		

Recommended distributors for this material

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