Technical Data Sheet

LyondellBasell

Centrex 885A 90191 UVWH

Acrylonitrile Styrene Acrylate
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Melt Strength	• Good Weather Resistance	• Low Gloss
Uses	• Outdoor Applications • Profiles	• Siding Substrate • Windows & Doors	
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.12	1.12 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.2 g/10 min	5.2 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	3340 psi	23.0 MPa	
Break	2650 psi	18.3 MPa	
Flexural Modulus - Tangent [2]	168000 psi	1160 MPa	ASTM D790
Flexural Strength [2]	5390 psi	37.2 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	5.7 ft·lb/in	300 J/m	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Vicat Softening Temperature	219 °F	104 °C	ASTM D1525 [3]
Optical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Gloss [4]			ASTM D523
60°, 20.0 mil (508 µm), Extruded Sheet	3	3	

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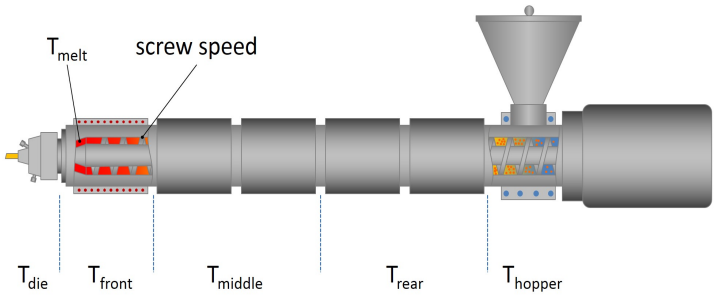

Extrusion	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 200 °F	82 to 93 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	< 0.03 %	< 0.03 %
Suggested Max Regrind	40 %	40 %
Melt Temperature	350 to 400 °F	177 to 204 °C
Die Temperature	350 to 375 °F	177 to 191 °C

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Notes

[1] 0.20 in/min (5.1 mm/min)

[2] 0.050 in/min (1.3 mm/min)

[3] Rate B (120°C/h), Loading 1 (10 N)

[4] 380°F

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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