

Technical Data Sheet

Centrex CB989

Acrylonitrile Styrene Acrylate
LyondellBasell Industries
Engineering Plastics

Product Description

Centrex® CB989 - ASA Weatherable Polymer Concentrate

General

Features	• Good Weather Resistance
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 Kg	0.20 g/10 min	0.20 g/10 min	
220°C/21.6 Kg	4.0 g/10 min	4.0 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ²			ASTM D638
Yield	2900 psi	20.0 MPa	
Break	2320 psi	16.0 MPa	
Tensile Elongation ² (Break)	33 %	33 %	ASTM D638
Flexural Modulus - Secant ³	159000 psi	1100 MPa	ASTM D790
Flexural Strength ³	2760 psi	19.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	9.0 ft-lb/in	480 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	63.0 °F	17.2 °C	
Vicat Softening Temperature	212 °F	100 °C	ASTM D1525 ⁴

Notes

¹ Concentrate

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

⁴ Rate B (120°C/h)

Notes

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