

Technical Data Sheet

**Clarix 210901-01 Clear**

Ionomer
LyondellBasell Industries
Engineering Plastics

Product Description

Ionomer Zinc

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Zinc Ionomer
Appearance	• Clear/Transparent
Processing Method	• Compounding Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.952	0.950 g/cm ³	ASTM D792A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹			ASTM D638
Yield, 73°F (23°C)	1890 psi	13.0 MPa	
Break, 73°F (23°C)	3770 psi	26.0 MPa	
Tensile Elongation ¹ (Break, 73°F (23°C))	400 %	400 %	ASTM D638
Flexural Modulus - Tangent ²			ASTM D790A
73°F (23°C), 1.97 in (50.0 mm) Span	37700 psi	260 MPa	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	10 ft-lb/in	540 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore D, 15 sec, 73°F (23°C)	60	60	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	165 °F	74.0 °C	ASTM D1525 ³

Notes

¹ Type I, 2.0 in/min (50 mm/min)

² Method I (3 point load), 0.051 in/min (1.3 mm/min)

³ Rate B (120°C/h), Loading 1 (10 N)

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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