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**DATA SHEET**

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**ALTOFLEX® LDPE 0921**

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**Description:** LDPE resin tailored for premium high clarity with strength and stiffness. This product also exhibits good impact and strength in film

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**Applications:**

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- Textile packaging
- Food packaging
- High clarity film

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**Additives:**

|                          | 1500 | ppm | • Slip        | 750   | ppm                  |
|--------------------------|------|-----|---------------|-------|----------------------|
| <b>Resin Properties</b>  |      |     | <b>Method</b> |       | <b>Typical Value</b> |
| Density                  |      |     | ASTM D792     | 0.921 | g/cm <sup>3</sup>    |
| Melt Index, 190°/2.16 kg |      |     | ASTM D1238    | 1.80  | g/10 min             |

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|                            |  | <b>Method</b> |  | <b>Typical Value</b> |
|----------------------------|--|---------------|--|----------------------|
| Tensile Strength at Yield: |  |               |  |                      |

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|    |           |       |     |
|----|-----------|-------|-----|
| MD | ASTM D882 | 10.30 | MPa |
| TD |           | 10.90 | MPa |

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|                            |           |       |     |  |
|----------------------------|-----------|-------|-----|--|
| Tensile Strength at Break: |           |       |     |  |
| MD                         | ASTM D882 | 27.30 | MPa |  |
| TD                         |           | 23.20 | MPa |  |

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|                              |           |     |   |  |
|------------------------------|-----------|-----|---|--|
| Tensile Elongation at Break: |           |     |   |  |
| MD                           | ASTM D882 | 300 | % |  |
| TD                           |           | 495 | % |  |

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|                    |           |     |     |  |
|--------------------|-----------|-----|-----|--|
| 1 % Secant Modulus |           |     |     |  |
| MD                 | ASTM D882 | 178 | MPa |  |
| TD                 |           | 205 | MPa |  |

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|                |            |     |   |  |
|----------------|------------|-----|---|--|
| Elmendorf Tear |            |     |   |  |
| MD             | ASTM D1922 | 350 | g |  |
| TD             |            | 200 | g |  |

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|                           |             |    |   |
|---------------------------|-------------|----|---|
| Dart Drop Impact Strength | ASTM D1709A | 90 | g |
|---------------------------|-------------|----|---|

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|             | <b>Method</b> |    | <b>Typical Value</b> |
|-------------|---------------|----|----------------------|
| Haze        | ASTM D1003    | 5  | %                    |
| Gloss (45°) | ASTM D2457    | 70 |                      |

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Processing Statement: BLOWN FILM, 1.25 mil, 8" die, 2:1 BUR, 191°C melt temperature, 0.025" die gap, 130 lb/hr rate

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Typical properties: These are not to be construed as specifications.

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Disclaimer: Information in this document is accurate to the best of our knowledge at the date of publication. Users will determine whether the product is suitable for their use.

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Effective date: 29/05/2023