

**Elastron**

G101.A30.N

## TECHNICAL DATASHEET

### PRODUCT DESCRIPTION

#### GENERAL PROPERTIES

|                            |         |
|----------------------------|---------|
| <b>Color</b>               | Natural |
| <b>Certifications</b>      | RoHS    |
| <b>Processing Method</b>   |         |
| <b>Available Standards</b> | ASTM    |

#### Physical Properties

| Property                  | Unit              | Standard                     | Value  |
|---------------------------|-------------------|------------------------------|--------|
| Density                   | g/cm <sup>3</sup> | ASTM D 792                   | 1.16   |
| Durometer Hardness, 3 sec | Shore A           | ASTM D 2240                  | 30.00  |
| Tensile Strength at Break | MPa               | ASTM D412, Method A          | 2.80   |
| Mod.of Elasticity %100    | MPa               | ASTM D412, Method A          | 0.50   |
| Mod.of Elasticity %300    | MPa               | ASTM D412, Method A          | 1.10   |
| Elongation at break       | %                 | ASTM D412, Method A          | 800.00 |
| Compression Set           | % at 23°C, 22 h   | ASTM D 395, Type 2, Method B | 10.00  |
| Compression Set           | % at 70°C, 22 h   | ASTM D 395, Type 2, Method B | 34.00  |
| Compression Set           | % at 100°C, 22 h  | ASTM D 395, Type 2, Method B | 67.00  |
| Tear Resistance           | N/mm              | ASTM D624                    | 18.00  |

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| Ageing Tests          |          |             |           |
|-----------------------|----------|-------------|-----------|
| Property              | Unit     | Standard    | Value     |
| Ozone Resistance      | Stressed | ASTM D 1149 | No cracks |
| Bondable to           |          |             |           |
| PE-PP-EVA             |          |             |           |
| Drying time           | hours    | -           |           |
| Screw Comp. Ratio     | -        | -           |           |
| Screw L/D             | -        | -           |           |
| Feed Zone temp.       | °C       | -           |           |
| Rear Zone temp.       | °C       | -           |           |
| Center Zone temp.     | °C       | -           |           |
| Front Zone temp.      | °C       | -           |           |
| Head temp.            | °C       | -           |           |
| Die temp.             | °C       | -           |           |
| Suggested Max Regrind | %        | -           |           |

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### Additional Information

Elastron products are not compatible with PVC and Acetal.

Regrinding level up to %20 is recommended with minimum property loss.

| Shrinkage   | Unit | Standard  | Value |
|-------------|------|-----------|-------|
| Flow        | %    | ASTM D955 | 2.88  |
| Across Flow | %    | ASTM D955 | 1.26  |

### Notes

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