

**AVALON® 95 AHT DP**

TPU

Huntsman Polymers Corp.

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b>     | <b>Test Standard</b> |
|------------------------------|--------------|-----------------|----------------------|
| <b>ISO Data</b>              |              |                 |                      |
| Tensile Strength             | <b>30</b>    | MPa             | ISO 37               |
| Strain at break              | <b>400</b>   | %               | ISO 37               |
| Tear strength                | <b>118</b>   | kN/m            | ISO 34-1             |
| Abrasion resistance          | <b>35</b>    | mm <sup>3</sup> | ISO 4649             |
| Shore A hardness             | <b>95</b>    | -               | ISO 7619-1           |
| Shore D hardness             | <b>48</b>    | -               | ISO 7619-1           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1210</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Melt temperature                                   | <b>160 - 230</b> | °C          | -                    |
| Mold temperature                                   | <b>25 - 45</b>   | °C          | -                    |
| Screw speed  | <b>20 - 100</b>  | rpm         | -                    |
| Injection pressure                                 | <b>50</b>        | MPa         | -                    |
| Back pressure                                      | <b>0.3 - 3</b>   | MPa         | -                    |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Features**

Scratch Resistant

**Applications**

Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa