# MOD: PARS - ATTT 1192

## TECHNICAL SPECIFICATION

### 1. UPPER LEATHER :

Upper Material : Cow leather
Colour : Black
Thickness : 2.0 mm ( minimum )

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|---|---|
| Tear strength of the material of the upper | 130 N (minimum) |
| Tensile strength of the material of the upper | 18 $N/mm^2$ (minimum) |
| pH (only for leather upper) | 3.2 (minimum) |
| Flexibility | No deformation at 50000 cycles (minimum ) |
| Water vapour permeability (Breathability) | 0.8 mg/(cm2·h) (minimum) |

### 2. INNER SIDE

Material : Polyamide
Colour : Black

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|---|---|
| Tearing strength of the fabric | > 130 N |
| Abrasion resistance | > 25.600 dry cycles<br>> 12.800 wet cycles |
| Water repellency | > 4 |
| Colour fastness to weathering | > 4 |
| Water vapour permeability (Breathability) | 2 mg/(cm2·h) (minimum) |

### 3. LINING :

Property : Light weight, Breathable, sweat absorber
Material : Polyamide

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|---|---|
| Tear strength of the lining | > 15 N |
| Abrasion resistance | > 25,600 dry cycles<br>> 12,800 wet cycles |
| Water vapour permeability (Breathability) | 2 mg/(cm2·h) (minimum) |

### 4. LASTING INSOLE BOARD :

Material : Bonded fibre board
Thickness : 2,0 mm ( minimum )
Cracking angle : 90 degree ( minimum )

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|---|---|
| Water Absorbtion | > 70 mg/cm2 |
| Water Disabsorbtion | > 80% |

## 5 .SUPPORTS :

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|---|---|
| Toe cap support : | Thermoplastic fibre board |
| Thickness : | 1,6 mm ( minimum ) |
| Ankle (stiffener ) support : | Thermoplastic fibre board |
| Thickness : | 1,4 mm ( minimum ) |
| Collar Support : | 6mm, 65 density PU foam |
| Tongue Support : | 6mm, middle density sponge |

## 6 . ACCESSORIES AND OTHERS :

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|---|---|
| Sewing thread: | Polyamide |
| Laces: | Polyamide<br>Round shape<br>Length: According to the shoe |
| Inlay Sole ( Footbed ) : | Micro fiber coated opencell PU –<br>Sweat absorber, removable, washable |

| | |
|---|---|
| Water Absorbtion (footbed) | > 70 mg/cm2 |
| Water Disabsorbtion (footbed) | > 80% |

## 7.SOLE :

- Sole Technology : Direct Injection and Moulded :
- Material : Double density polyurethane ( midsole and outsole layers )
- Shock Absorbing Heel : provides comfort when jumping ,walking, running , etc. by absorbing downward force in excess of a body weight
- Hydrolysis resistance : provides durability on sole against humidity and hot weather conditions and longer self life for products at international storage terms
- Oil resistant outsole
- Slip resistant out sole

| | |
|---|---|
| Energy absorbtion (Shock absorber heel) | 20 joules (minimum) |
| Hydrolysis resistance (aging at 70 celcius, 100% humidity in 7 days) | Cut growth will be maximum 6mm after 150.000 cycles |
| Flexing resistance | Cut growth will be maximum 4mm after 30.000 cycles |
| Abrasion resistance of outsole | 150 mm3 volume loss (maximum) |
| Upper sole bonding<br>(if sole material is not teared)<br>(if sole material is teared) | <br>4 newton/mm (minimum)<br>3 newton/mm (minimum) |
| Oil resistant outsole | 12% volume increase (maximum) |
| Slip Resistant outsole | SRC Level |
| Tear Strength of sole | 8 kN /m (minimum) |