



Our mixing “high strength and bending” solution with light weight and low expansion is notably fully suitable with your FTTH cables. Our most common diameters are 0,50 & 1,00mm diameters in two versions : uncoated and EAA coated. Our highest grade raw material to meet your highest standards. => monthly capacity 5 000km

 [MATERIAL SAFETY DATA SHEET](#)

 [ISO 9001 CERTIFICATE](#)

## ARP 0,5 mm (+ EAA coating) Characteristics

| ITEM                       | UNIT               | SPECIFICATION           | TEST METHOD  |
|----------------------------|--------------------|-------------------------|--------------|
| Appearance                 | Shall be Good      | Good                    | -            |
| ARP Diameter Tolerance     | mm                 | 0.5 ± 0.03              | Micrometer   |
| ( EAA Coating Tolerance    | mm                 | 0.55 ± 0.02             | Micrometer ) |
| Specific Gravity           | g/mm <sup>2</sup>  | 1.0 ~ 1.3               | ASTM D 792   |
| Tensile Strength           | Kg/mm <sup>2</sup> | Min. 200                | ASTM D 3916  |
| Tensile Modulus            | Kg/mm <sup>2</sup> | Min. 5000               | ASTM D 3916  |
| Elongation at Break        | %                  | Min 3.5                 | ASTM D 3916  |
| Coef. of Thermal Expansion | /°C                | Nom. 7*10 <sup>-6</sup> | -            |

| <b>ITEM</b>            | <b>UNIT</b> | <b>SPECIFICATION</b> | <b>TEST METHOD</b> |
|------------------------|-------------|----------------------|--------------------|
| Minimum Bending Radius | mm          | 25 X Dia             | -                  |

## ARP 1,0 mm (+ EAA coating) Characteristics

| <b>ITEM</b>                | <b>UNIT</b>        | <b>SPECIFICATION</b>    | <b>TEST METHOD</b> |
|----------------------------|--------------------|-------------------------|--------------------|
| Appearance                 | Shall be Good      | Good                    | -                  |
| ARP Diameter Tolerance     | mm                 | 1.0 ± 0.03              | Micrometer         |
| ( EAA Coating Tolerance    | mm                 | 1.1 ± 0.02              | Micrometer )       |
| Specific Gravity           | g/mm <sup>2</sup>  | 1.0 ~ 1.3               | ASTM D 792         |
| Tensile Strength           | Kg/mm <sup>2</sup> | Min. 200                | ASTM D 3916        |
| Tensile Modulus            | Kg/mm <sup>2</sup> | Min. 5000               | ASTM D 3916        |
| Elongation at Break        | %                  | Min 3.5                 | ASTM D 3916        |
| Coef. of Thermal Expansion | /°C                | Nom. 7*10 <sup>-6</sup> | -                  |
| Minimum Bending Radius     | mm                 | 25 X Dia                | -                  |