

Arlon CP-310R Bulk Compound

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Appearance: Red silicone gum
This data represents typical values for the production material. The data should not be used to write, or in place of, material specifications. Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-CP-310R-Bulk-Compound.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.26 g/cc | 0.0455 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------|------------|-------------------|
| Hardness, Shore A | 40 - 50 | 40 - 50 | Compound Property |
| Tensile Strength | >= 5.52 MPa | >= 800 psi | Compound Property |
| Elongation at Break | >= 500 % | >= 500 % | Compound Property |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------------------------|---------------------------|--------------------|
| Maximum Service Temperature, Air | 232 °C | 450 °F | |
| Minimum Service Temperature, Air | -56.7 °C | -70.0 °F | |
| Flammability, UL94 | HB @Temperature 200 °C | HB @Temperature 392 °F | per UL card E54153 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|--------------|----------|
| Dielectric Strength | >= 15.7 kV/mm | >= 400 kV/in | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------------|---------------------------|----------------------------|
| Cure Time | 15.0 - 20.0 min | 0.250 - 0.333 hour | Recommended Cure Cycle |
| | @Temperature 121 - 177 °C | @Temperature 250 - 350 °F | |
| | 120 min | 2.00 hour | Recommended Postcure Cycle |
| | @Temperature 204 °C | @Temperature 400 °F | |
| Shelf Life | 6.00 Month | 6.00 Month | From date of manufacture |
| | @Temperature 23.9 °C | @Temperature 75.0 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Red | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China