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# Ultrabake™

## General Description

Ultrabake™ has outstanding resistance to high heat, low compression set, very good electrical insulation and superior color stability. These properties make it a very suitable compound for high temperature masking applications. The service temperature range is -150°F to 600°F. In comparison to other low temperature compounds, Ultrabake™ does not have high tensile or tear strength, but much of the strength it does have is retained at high temperatures. Ultrabake™ has limited abrasion resistance; it is not recommended in masking applications where the part is sand blasted before finishing.

## Specification

| Description                            | ASTM Test Method | Unit    |       |       |       |       |
|--|------------------|---------|-------|-------|-------|-------|
|  |                  |         |       |       |       |       |
| Hardness                               | D2240            | Shore A | 40 ±5 | 50 ±5 | 60 ±5 | 70 ±5 |
| Tensile Strength. Minimum              | D412             | MPa     | 6     | 7     | 8     | 7     |
| Elongation. Minimum                    | D412             | %       | 450   | 420   | 330   | 200   |
| Heat Resistance. (70 hours at 230°C)   | D573             |         |       |       |       |       |
| Change in hardness. Maximum            | D573             | Points  | 13    | 11    | 10    | 10    |
| Change in tensile strength. Maximum    | D573             | %       | -25   | -25   | -25   | -30   |
| Change in elongation. Maximum          | D573             | %       | -60   | -50   | -50   | -50   |
| Compression Set. (175°C * 22h) Maximum | D395 Method B    | %       | 15    | 15    | 15    | 15    |
| Compression Set. (320°C * 1h) Maximum  | D395 Method B    | %       | 20    | 20    | 20    | 25    |