



"Combustion Technology That Wins Races"

| | Leaded Racing Gasolines | | | | Unleaded Racing Gasolines | | | | |
|--|---------------------------|---------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|----------------------------|----------------------------|
| | <u>ERC</u> <u>110K</u> | <u>ERC</u> <u>A-8D</u> | <u>ERC</u> <u>A-19A</u> | <u>ERC</u> <u>A-19K</u> | <u>ERC</u> <u>MUL/B</u> | <u>ERC</u> <u>MUL/C</u> | <u>ERC</u> <u>RUL</u> | <u>ERC</u> <u>RUL/H</u> | <u>ERC</u> <u>RUL/T</u> |
| <u>Download as PDF</u> | | High Density | High Heat Release Gasolines | | Unleaded Racing Gasolines | | | | |
| F-1 Octane (Research Method) | 116 | 120+ | 120.0 | 120.0+ | 106 | 106 | 110.1 | 110.0 | 110.0 |
| F-2 Octane (Motor Method) | 106 | 116.0 | 117.0 | 118.0 | 96 | 96 | 98.0 | 98.0 | 98.0 |
| R + M / 2 | 110.3 | 116.6 | 118.5 | 119.0 | 101 | 101 | 104.0 | 104.0 | 104.0 |
| Specific Gravity (@60°F) | .741 | .745 | .699 | .702 | .770 | .717 | .737 | .764 | .796 |
| Heat Release per unit weight (bomb calorimeter) | 19,800 | 19,683 | 20,100 | 20,000 | 19,200 | 19,400 | 19,100 | 18,643 | 18,400 |
| Reid Vapor Pressure (PSI) | 6.5 | 5.0 | 6.5 | 6.8 | 6.0 | 6.5 | 6.0 | 5.6 | 4.5 |
| Color | Purple | Aqua | Red | Red | Straw | Clear | Yellow | Bronze | Bronze |
| Net Oxy by Mass | 1.0% | .7% | | | 3.0% | 3.5% | | | |
| IBP | 95° F | 120° F | 106° F | 106° F | 95° F | 105° F | 120° F | 117° F | 125° F |
| 5% | 125° F | 140° F | 130° F | 132° F | --- | --- | --- | --- | --- |
| 10% | 150° F | 159° F | 139° F | 140° F | 145° F | 140° F | 170° F | 162° F | 175° F |
| 20% | 180° F | 182° F | 151° F | 154° F | --- | --- | --- | --- | --- |
| 30% | 202° F | 192° F | 163° F | 165° F | 168° F | 155° F | 196° F | 190° F | 202° F |
| 40% | 216° F | 210° F | 177° F | 180° F | --- | --- | --- | --- | --- |
| 50% | 220° F | 218° F | 182° F | 185° F | 225° F | 210° F | 211° F | 211° F | 218° F |
| 60% | 226° F | 222° F | 202° F | 208° F | --- | --- | --- | --- | --- |
| 70% | 230° F | 225° F | 208° F | 215° F | 232° F | 212° F | 220° F | 229° F | 228° F |
| 80% | 241° F | 231° F | 212° F | 218° F | --- | --- | --- | --- | --- |
| 90% | 252° F | 243° F | 215° F | 225° F | 235° F | 214° F | 240° F | 253° F | 242° F |
| 95% | 262° F | 260° F | 218° F | 235° F | --- | --- | --- | --- | --- |
| EP | 265° F | 264° F | 234° F | 238° F | 237° F | 220° F | 292° F | 292° F | 295° F |
| Recovery | 98.5% | 99.0% | 99% | 99% | 98.8% | 98.5% | 99.5% | 99.0% | 99.5% |
| Residue | 1.0% | .5% | .5% | .5% | .8% | 1% | .3% | .5% | .3% |
| Loss | .5% | .5% | .5% | .5% | .4% | .5% | .2% | .5% | .2% |
| | <u>ERC</u> <u>110K</u> | <u>ERC</u> <u>A-8D</u> | <u>ERC</u> <u>A-19A</u> | <u>ERC</u> <u>A-19K</u> | <u>ERC</u> <u>MUL/B</u> | <u>ERC</u> <u>MUL/B</u> | <u>ERC</u> <u>RUL</u> | <u>ERC</u> <u>RUL/H</u> | <u>ERC</u> <u>RUL/T</u> |