TUF-R[®] Performance Rated Bags

LOWER COST WITHOUT SACRIFICING PERFORMANCE



TUF-R performance rated bags provide an excellent opportunity for users to lower their costs without sacrificing performance. Users can save money and help reduce the impact on the environment by using a thinner gauge TUF-R bag in place of a heavier gauge LDPE bag in the same application. TUF-R's unique resin blend allows a thinner gauge bag to provide the same or better strength and puncture resistance than a standard low density bag of a thicker gauge.

TUF-R PERFORMACE:

Superior strength that allows them to do the job of a heavier LDPE bag.

Superior clarity thanks to their unique resin blend.

Made with virgin resin, so they meet FDA requirements for use with food products.

Strength for the most demanding applications because TUF-R bags are bottom sealed, not side sealed.

TUF-R bags 15" and under are packaged in inner dispenser packs of 100 bags each for convenience and cleanliness, while reducing waste.

TUF-R SAVINGS:

| | If customer is using this gauge LDPE: | Approximate TUF-R bag that can replace LDPE*: | Potential cost savings: |
|--------------|---------------------------------------|---|----------------------------|
| GUSSET | 0.9 - 1.25 mil | 6G or 7G Standard | 25% or More! |
| BAGS | 1.25 - 2 mil | 8G Heavy | 25% or More! |
| | 1.25 - 1.5 mil | 7F Standard | 15% or More! |
| FLAT BAGS | 2 - 3 mil | 8F Heavy | 15% or More! |
| 27,00 | 3 - 4 mil | 9F Extra Heavy | 15% or More! |

Savings results may vary greatly. Customers should test and verify the appropriateness of any packaging material. LK cannot guarantee the performance of any of our products for any specific application. Samples are available upon request.

TUF-R GUSSET BAG SPECIFICATIONS:

(flat bag specifications - see other side)

LDPE EQUIVALENT: 0.9 - 1.25 MIL 6G TUF-R STANDARD

| ITEM | SIZE | GAUGE(MIL) | QTY/CASE |
|----------|----------------|------------|----------|
| 6G042008 | 4 X 2 X 8 | 0.6 | 1000 |
| 6G042012 | 4 X 2 X 12 | 0.6 | 1000 |
| 6G055415 | 51⁄2 X 4¾ X 15 | 0.6 | 1000 |
| 6G055419 | 51⁄2 X 4¾ X 19 | 0.6 | 1000 |
| 6G063015 | 6 X 3 X 15 | 0.6 | 1000 |
| 6G083015 | 8 X 3 X 15 | 0.6 | 1000 |
| 6G084018 | 8 X 4 X 18 | 0.6 | 1000 |

LDPE EQUIVALENT: 0.9 - 1.25 MIL 7G TUF-R STANDARD

| ITEM | SIZE | GAUGE(MIL) | QTY/CASE |
|----------|--------------|------------|----------|
| 7G042008 | 4 X 2 X 8 | 0.75 | 1000 |
| 7G042012 | 4 X 2 X 12 | 0.75 | 1000 |
| 7G053015 | 5 X 3 X 15 | 0.75 | 1000 |
| 7G053513 | 5 X 3½ X 13 | 0.75 | 1000 |
| 7G054018 | 5 X 4 X 18 | 0.75 | 1000 |
| 7G054024 | 5 X 4 X 24 | 0.75 | 1000 |
| 7G054515 | 5 X 4½ X 15 | 0.75 | 1000 |
| 7G054518 | 5 X 4½ X 18 | 0.75 | 1000 |
| 7G055415 | 5½ X 4¾ X 15 | 0.75 | 1000 |
| 7G055419 | 5½ X 4¾ X 19 | 0.75 | 1000 |
| 7G063012 | 6 X 3 X 12 | 0.75 | 1000 |
| 7G063015 | 6 X 3 X 15 | 0.75 | 1000 |
| 7G063515 | 6 X 3½ X 15 | 0.75 | 1000 |
| 7G083015 | 8 X 3 X 15 | 0.75 | 1000 |
| 7G083020 | 8 X 3 X 20 | 0.75 | 1000 |
| 7G084012 | 8 X 4 X 12 | 0.75 | 1000 |
| 7G084015 | 8 X 4 X 15 | 0.75 | 1000 |
| 7G084018 | 8 X 4 X 18 | 0.75 | 1000 |
| 7G085015 | 8 X 5 X 15 | 0.75 | 1000 |
| 7G104020 | 10 X 4 X 20 | 0.75 | 1000 |

LDPE EQUIVALENT: 1.25 - 2 MIL 8G TUF-R STANDARD

| ITEM | SIZE | GAUGE(MIL) | QTY/CASE |
|----------|--------------|------------|----------|
| 8G042008 | 4 X 2 X 8 | 0.85 | 1000 |
| 8G042010 | 4 X 2 X 10 | 0.85 | 1000 |
| 8G042012 | 4 X 2 X 12 | 0.85 | 1000 |
| 8G055024 | 5 X 5 X 24 | 0.8 | 1000 |
| 8G055030 | 5 X 5 X 30 | 0.8 | 1000 |
| 8G055020 | 5¼ X 5 X 20 | 0.8 | 1000 |
| 8G553024 | 5½ X 3 X 24 | 0.85 | 1000 |
| 8G553029 | 5½ X 3 X 29 | 0.85 | 1000 |
| 8G055416 | 5½ X 4¾ X 16 | 0.8 | 1000 |
| 8G063012 | 6 X 3 X 12 | 0.85 | 1000 |
| 8G063015 | 6 X 3 X 15 | 0.85 | 1000 |
| 8G063515 | 6 X 3½ X 15 | 0.85 | 1000 |
| 8G063518 | 6 X 3½ X 18 | 0.85 | 1000 |
| 8G083015 | 8 X 3 X 15 | 0.85 | 1000 |
| 8G084018 | 8 X 4 X 18 | 0.85 | 1000 |
| 8G084020 | 8 X 4 X 20 | 0.8 | 1000 |
| 8G084021 | 8 X 4 X 21 | 0.85 | 1000 |
| 8G105016 | 10 X 5 X 16 | 0.8 | 1000 |
| 8G106022 | 10 X 6 X 22 | 0.7 | 1000 |
| 8G108024 | 10 X 8 X 24 | 0.85 | 500 |
| 8G128030 | 12 X 8 X 30 | 0.85 | 500 |
| 8G214035 | 21 X 4 X 35 | 0.8 | 250 |
| | | | |



Available through your local distributor

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TUF-R FLAT BAG SPECIFICATIONS:

LDPE EQUIVALENT: 1.25 -1.5 MIL

7F TUF-R STANDARD

| | | GAUGE | QTY/ | | | GAUGE | QTY/ | | | GAUGE | QTY/ | | | GAUGE | QTY/ |
|--------|--------|-------|--------|--------|---------|-------|------|--------|---------|-------|------|--------|---------|-------|------|
| ITEM | SIZE | (MIL) | ĊASE | ITEM | SIZE | (MIL) | ĊASE | ITEM | SIZE | (MIL) | ĊASE | ITEM | SIZE | (MIL) | ĊASE |
| 7F0203 | 2 X 3 | 0.9 | 20,000 | 7F0520 | 5 X 20 | 1.0 | 4000 | 7F1015 | 10 X 15 | 1.0 | 1000 | 7F1636 | 16 X 36 | 1.0 | 1000 |
| 7F0204 | 2 X 4 | 0.9 | 10,000 | 7F0524 | 5 X 24 | 1.0 | 4000 | 7F1016 | 10 X 16 | 1.0 | 1000 | 7F1721 | 17 X 21 | 1.0 | 1000 |
| 7F0205 | 2 X 5 | 0.9 | 10,000 | 7F0606 | 6 X 6 | 1.0 | 4000 | 7F1018 | 10 X 18 | 1.0 | 1000 | 7F1820 | 18 X 20 | 1.0 | 1000 |
| 7F0208 | 2 X 8 | 0.9 | 10,000 | 7F0608 | 6 X 8 | 1.0 | 2000 | 7F1020 | 10 X 20 | 1.0 | 1000 | 7F1824 | 18 X 24 | 1.0 | 1000 |
| 7F0210 | 2 X 10 | 0.9 | 10,000 | 7F0609 | 6 X 9 | 1.0 | 2000 | 7F1024 | 10 X 24 | 1.0 | 1000 | 7F1830 | 18 X 30 | 1.0 | 1000 |
| 7F0212 | 2 X 12 | 0.9 | 10,000 | 7F0610 | 6 X 10 | 1.0 | 2000 | 7F1030 | 10 X 30 | 1.0 | 1000 | 7F1836 | 18 X 36 | 1.0 | 1000 |
| 7F0303 | 3 X 3 | 0.9 | 10,000 | 7F0612 | 6 X 12 | 1.0 | 1000 | 7F1112 | 11 X 12 | 1.0 | 1000 | 7F2020 | 20 X 20 | 1.0 | 1000 |
| 7F0304 | 3 X 4 | 0.9 | 10000 | 7F0615 | 6 X 15 | 1.0 | 1000 | 7F1115 | 11 X 15 | 1.0 | 1000 | 7F2024 | 20 X 24 | 1.0 | 1000 |
| 7F0305 | 3 X 5 | 0.9 | 5000 | 7F0618 | 6 X 18 | 1.0 | 1000 | 7F1118 | 11 X 18 | 1.0 | 1000 | 7F2030 | 20 X 30 | 1.0 | 1000 |
| 7F0306 | 3 X 6 | 0.9 | 5000 | 7F0620 | 6 X 20 | 1.0 | 1000 | 7F1212 | 12 X 12 | 1.0 | 1000 | 7F2036 | 20 X 36 | 1.0 | 500 |
| 7F0308 | 3 X 8 | 0.9 | 5000 | 7F0624 | 6 X 24 | 1.0 | 1000 | 7F1213 | 12 X 13 | 1.0 | 1000 | 7F2040 | 20 X 40 | 1.0 | 500 |
| 7F0310 | 3 X 10 | 0.9 | 5000 | 7F0709 | 7 X 9 | 1.0 | 1000 | 7F1216 | 12 X 16 | 1.0 | 1000 | 7F2224 | 22 X 24 | 1.0 | 500 |
| 7F0312 | 3 X 12 | 0.9 | 5000 | 7F0710 | 7 X 10 | 1.0 | 1000 | 7F1218 | 12 X 18 | 1.0 | 1000 | 7F2236 | 22 X 36 | 1.0 | 500 |
| 7F0315 | 3 X 15 | 0.9 | 5000 | 7F0712 | 7 X 12 | 1.0 | 1000 | 7F1220 | 12 X 20 | 1.0 | 1000 | 7F2424 | 24 X 24 | 1.25 | 500 |
| 7F0318 | 3 X 18 | 0.9 | 5000 | 7F0715 | 7 X 15 | 1.0 | 1000 | 7F1221 | 12 X 21 | 1.0 | 1000 | 7F2426 | 24 X 26 | 1.25 | 500 |
| 7F3506 | 3½ X 6 | 0.9 | 5000 | 7F0718 | 7 X 18 | 1.0 | 1000 | 7F1224 | 12 X 24 | 1.0 | 1000 | 7F2430 | 24 X 30 | 1.25 | 500 |
| 7F0404 | 4 X 4 | 0.9 | 5000 | 7F0724 | 7 X 24 | 1.0 | 1000 | 7F1230 | 12 X 30 | 1.0 | 1000 | 7F2438 | 24 X 38 | 1.25 | 500 |
| 7F0405 | 4 X 5 | 1.0 | 5000 | 7F0808 | 8 X 8 | 1.0 | 1000 | 7F1317 | 13 X 17 | 1.0 | 1000 | 7F2442 | 24 X 42 | 1.25 | 500 |
| 7F0406 | 4 X 6 | 1.0 | 5000 | 7F0810 | 8 X 10 | 1.0 | 1000 | 7F1324 | 13 X 24 | 1.0 | 1000 | 7F2630 | 26 X 30 | 1.25 | 500 |
| 7F0408 | 4 X 8 | 1.0 | 4000 | 7F0812 | 8 X 12 | 1.0 | 1000 | 7F1416 | 14 X 16 | 1.0 | 1000 | 7F2832 | 28 X 32 | 1.25 | 500 |
| 7F0410 | 4 X 10 | 1.0 | 4000 | 7F0815 | 8 X 15 | 1.0 | 1000 | 7F1420 | 14 X 20 | 1.0 | 1000 | 7F2850 | 28 X 50 | 1.25 | 250 |
| 7F0412 | 4 X 12 | 1.0 | 4000 | 7F0818 | 8 X 18 | 1.0 | 1000 | 7F1424 | 14 X 24 | 1.0 | 1000 | 7F3030 | 30 X 30 | 1.25 | 500 |
| 7F0415 | 4 X 15 | 1.0 | 4000 | 7F0820 | 8 X 20 | 1.0 | 1000 | 7F1430 | 14 X 30 | 1.0 | 1000 | 7F3036 | 30 X 36 | 1.25 | 500 |
| 7F0418 | 4 X 18 | 1.0 | 4000 | 7F0824 | 8 X 24 | 1.0 | 1000 | 7F1436 | 14 X 36 | 1.0 | 1000 | 7F3048 | 30 X 48 | 1.25 | 250 |
| 7F0424 | 4 X 24 | 1.0 | 4000 | 7F0910 | 9 X 10 | 1.0 | 1000 | 7F1518 | 15 X 18 | 1.0 | 1000 | 7F3232 | 32 X 32 | 1.25 | 500 |
| 7F0505 | 5 X 5 | 1.0 | 4000 | 7F0912 | 9 X 12 | 1.0 | 1000 | 7F1524 | 15 X 24 | 1.0 | 1000 | 7F3250 | 32 X 50 | 1.25 | 250 |
| 7F0506 | 5 X 6 | 1.0 | 4000 | 7F0915 | 9 X 15 | 1.0 | 1000 | 7F1530 | 15 X 30 | 1.0 | 1000 | 7F3648 | 36 X 48 | 1.25 | 250 |
| 7F0507 | 5 X 7 | 1.0 | 4000 | 7F0918 | 9 X 18 | 1.0 | 1000 | 7F1536 | 15 X 36 | 1.0 | 1000 | 7F3660 | 36 X 60 | 1.25 | 200 |
| 7F0508 | 5 X 8 | 1.0 | 4000 | 7F0920 | 9 X 20 | 1.0 | 1000 | 7F1618 | 16 X 18 | 1.0 | 1000 | 7F3854 | 38 X 54 | 1.25 | 200 |
| 7F0510 | 5 X 10 | 1.0 | 4000 | 7F0924 | 9 X 24 | 1.0 | 1000 | 7F1620 | 16 X 20 | 1.0 | 1000 | 7F3864 | 38 X 64 | 1.25 | 200 |
| 7F0512 | 5 X 12 | 1.0 | 4000 | 7F1010 | 10 X 10 | 1.0 | 1000 | 7F1624 | 16 X 24 | 1.0 | 1000 | 7F4048 | 40 X 48 | 1.25 | 200 |
| 7F0515 | 5 X 15 | 1.0 | 4000 | 7F1012 | 10 X 12 | 1.0 | 1000 | 7F1630 | 16 X 30 | 1.0 | 1000 | | | | |

LDPE EQUIVALENT: 2.0 - 3.0 MIL 8F TUF-R HEAVY

| ITEM | SIZE | GAUGE (MIL) | QTY/ CASE | ITEM | SIZE | GAUGE (MIL) | QTY/ CASE | ITEM | SIZE | GAUGE (MIL) | QTY/ CASE |
|--------|-------|----------------|--------------|--------|---------|----------------|--------------|--------|---------|----------------|--------------|
| 8F0203 | 2 X 3 | 1.8 | 10000 | 8F0508 | 5 X 8 | 1.8 | 2000 | 8F1016 | 10 X 16 | 2.0 | 500 |
| 8F0204 | 2 X 4 | 1.8 | 5000 | 8F0608 | 6 X 8 | 1.8 | 1000 | 8F1216 | 12 X 16 | 2.0 | 500 |
| 8F0304 | 3 X 4 | 1.8 | 5000 | 8F0610 | 6 X 10 | 1.8 | 1000 | 8F1218 | 12 X 18 | 2.0 | 500 |
| 8F0305 | 3 X 5 | 1.8 | 3000 | 8F0612 | 6 X 12 | 1.8 | 1000 | 8F1824 | 18 X 24 | 2.0 | 500 |
| 8F0306 | 3 X 6 | 1.8 | 3000 | 8F0709 | 7 X 9 | 1.8 | 1000 | 8F2030 | 20 X 30 | 2.0 | 500 |
| 8F0405 | 4 X 5 | 1.8 | 3000 | 8F0810 | 8 X 10 | 1.8 | 1000 | 8F2436 | 24 X 36 | 2.0 | 250 |
| 8F0406 | 4 X 6 | 1.8 | 2000 | 8F0812 | 8 X 12 | 2.0 | 1000 | 8F3864 | 38 X 64 | 2.0 | 100 |
| 8F0408 | 4 X 8 | 1.8 | 2000 | 8F0912 | 9 X 12 | 2.0 | 1000 | | | | |
| 8F0507 | 5 X 7 | 1.8 | 2000 | 8F1012 | 10 X 12 | 2.0 | 500 | | | | |

LDPE EQUIVALENT: 3.0 - 4.0 MIL 9F TUF-R EXTRA HEAVY

| ITEM | SIZE | GAUGE (MIL) | QTY/CASE | ITEM | SIZE | GAUGE (MIL) | QTY/CASE | ITEM | SIZE | GAUGE (MIL) | QTY/CASE |
|--------|---------|-------------|----------|--------|---------|-------------|----------|--------|---------|-------------|----------|
| 9F0810 | 8 X 10 | 2.75 | 2000 | 9F1212 | 12 X 12 | 2.75 | 1000 | 9F1820 | 18 X 20 | 2.75 | 500 |
| 9F0812 | 8 X 12 | 2.75 | 1000 | 9F1214 | 12 X 14 | 2.75 | 1000 | 9F1824 | 18 X 24 | 2.75 | 500 |
| 9F0815 | 8 X 15 | 2.75 | 1000 | 9F1216 | 12 X 16 | 2.75 | 1000 | 9F1830 | 18 X 30 | 2.75 | 250 |
| 9F0820 | 8 X 20 | 2.75 | 1000 | 9F1218 | 12 X 18 | 2.75 | 1000 | 9F1836 | 18 X 36 | 2.75 | 250 |
| 9F0912 | 9 X 12 | 2.75 | 1000 | 9F1220 | 12 X 20 | 2.75 | 1000 | 9F2020 | 20 X 20 | 2.75 | 500 |
| 9F0915 | 9 X 15 | 2.75 | 1000 | 9F1224 | 12 X 24 | 2.75 | 500 | 9F2024 | 20 X 24 | 2.75 | 250 |
| 9F0918 | 9 X 18 | 2.75 | 1000 | 9F1230 | 12 X 30 | 2.75 | 500 | 9F2030 | 20 X 30 | 2.75 | 250 |
| 9F1012 | 10 X 12 | 2.75 | 1000 | 9F1416 | 14 X 16 | 2.75 | 1000 | 9F2424 | 24 X 24 | 2.75 | 250 |
| 9F1016 | 10 X 16 | 2.75 | 1000 | 9F1420 | 14 X 20 | 2.75 | 500 | 9F2430 | 24 X 30 | 2.75 | 250 |
| 9F1018 | 10 X 18 | 2.75 | 1000 | 9F1424 | 14 X 24 | 2.75 | 500 | 9F2436 | 24 X 36 | 2.75 | 200 |
| 9F1024 | 10 X 24 | 2.75 | 1000 | 9F1616 | 16 X 16 | 2.75 | 1000 | 9F3036 | 30 X 36 | 2.75 | 200 |
| 9F1115 | 11 X 15 | 2.75 | 1000 | 9F1618 | 16 X 18 | 2.75 | 500 | 9F3648 | 36 X 48 | 2.75 | 100 |
| 9F1118 | 11 X 18 | 2.75 | 1000 | 9F1624 | 16 X 24 | 2.75 | 500 | 9F3864 | 38 X 64 | 2.75 | 100 |

