

S4650 Adhesive Technology

While painted steel drums are still predominantly used, bulk container shipping of emulsion based chemicals, along with food and beverage products has become increasingly popular over the last few years leading to a rise in plastic drums. Plastic drums are composed of high-density polyethylene which offers several advantages including resistance to corrosion, weight and cost-efficiency but require a different adhesive than steel drums.

Avery Dennison has taken the lead in developing our new S4650 adhesive technology. Engineered for a broader range of performance needs, S4650 provides improved adhesion to both smooth and textured plastic substrates and better cold temperature application performance. S4650 offers a -30F to 300F temperature range, the lower service temperature means once it's applied it will maintain adhesion at a lower temperature, no matter what environments the drums are exposed to. The new adhesive also offers up to 60% improvement in edge lift over S4600 depending on temperature and container material, reducing seasonal variation concerns.



Product Information

Features & Benefits

- Withstands variable temperature and cold environments
- Consistent label positioning on smooth and textured plastic drums
- Application temperature of 0°F
- Service temp range -30F to 300F
- Maintains label integrity in year-round conditions
- 15% increase in initial tack on chemical drum
- Improved performance for plastic drum label applications
- Meets BS5609 requirements

| Spec # | Description |
|--------|--|
| B4101 | 2M WH Laser PET/S4650/66# PK |
| B8559 | 3.5 mil MATTE WH SYN WBIJ/S4650/50#SCK |
| B8560 | 3.7 mil SMGPRF KIMDURA/S4650/50#SCK |

As leaders in the pressure-sensitive industry, we continually advance our materials and adhesives to ensure that our solutions are fit for purpose and future-ready. And our technical teams are always on standby to help create custom solutions to suit unique needs.