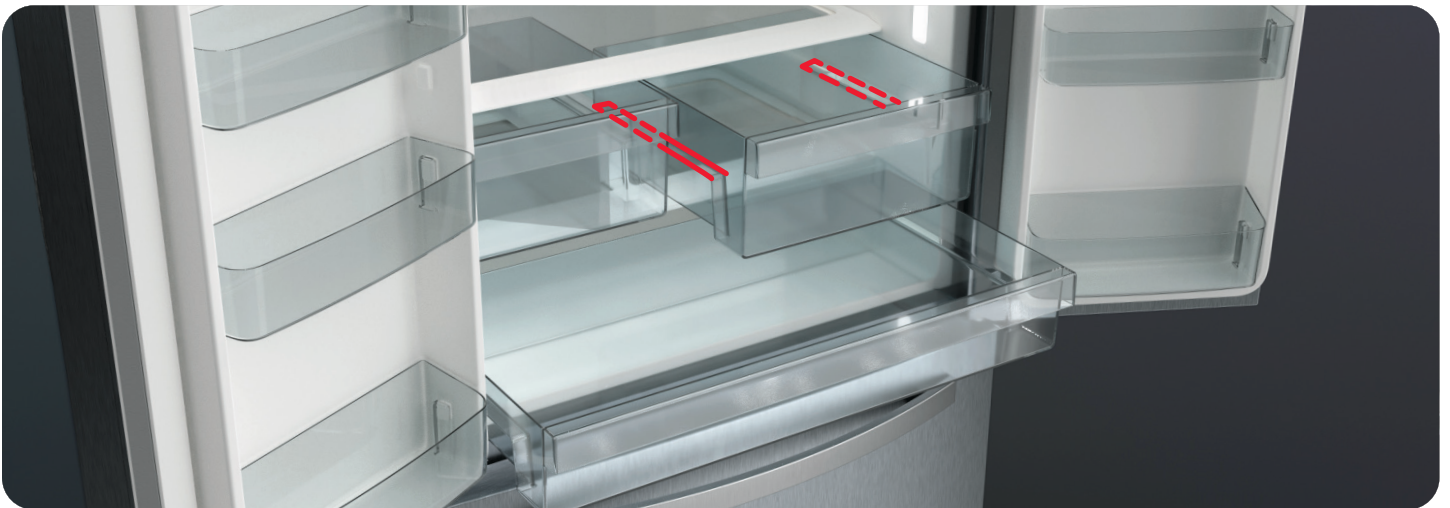


3M Application Profile: Appliance Drawer Slide



Refrigerator interiors vary in design but will typically have sliding drawers or bins.

Application Description:

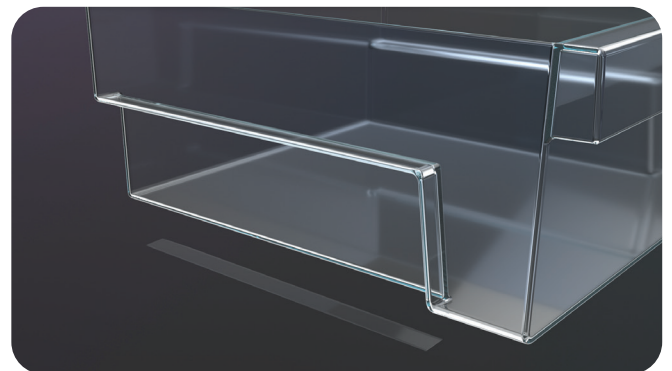
An ultra high molecular weight polyethylene (UHMW) tape is used to create a low surface energy (LSE) surface on the backside of an appliance drawer.

Application Benefits:

- Adds a slick separation layer between rubbing parts, minimizing unwanted noise
- Reduces wear between surfaces, helping to extend the life of the part
- May eliminate the need for using mechanical drawer rollers

Key Application Requirements:

- Needs to aggressively adhere and hold to a variety of surfaces, including LSE surfaces
- Must maintain a high degree of wear and abrasion resistance throughout life of part and continue to mitigate unwanted noise



A close up picture of an appliance drawer before the tape is applied.

Tape Benefits:

- **Design flexibility:** Smoother feel when sliding drawer vs. plastic-on-plastic and may allow for elimination of mechanical rollers, providing a larger interior space
- **Conformability:** Ability to follow curved shapes and non-uniform surfaces
- **Long-lasting:** Helps minimize the risk of damage or failure over part’s lifetime
- **Easy to apply:** Manual application and doesn’t require additional tools or operators
- **Customizable (lined product):** Able to quickly and easily create shapes or sizes that are part-specific

Products	
3M™ UHMW Film Tape 5423	
3M™ UHMW PE Film Tape 5421	
Additional Applications	
Automotive	Hood hinge, seat frame, glove box and sun roof slide points
Appliance	Small appliance closures
Electronics	Mobile device sliding points
General industrial	Electrical utility box closures



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