

# PLASTICIZER/PVC

## Application Selection Guide

**CONFIDENTIAL INFORMATION** This guide is for the exclusive use of the Hallstar Field Sales team and Authorized Distributors. It is not intended for public distribution.

| SEGMENT                     | End Product   | Desired Performance Property  | Paraplex®/Plasthall® Choices   |
|-----------------------------|---|---|--|
| Apparel                     | Plastisol coated fabric   | Flexibility, migration resistance and permanence  | Utilize Paraplex® Approach for recommendations   |
|                             | Plastisol silk screen inks                                      | Flexibility, migration resistance and permanence  | Utilize Paraplex® Approach for recommendations   |
| Appliances                  | Sealing gaskets and grommets                                    | Migration resistance  | A-8200, A-8600, G-54, G-57, P-550, P-7046  |
| Automotive                  | Instrument panels (crash pads)                                  | Long term permanence, low volatility, good heat aging, low fogging, heat and UV stability | For calendered stock process utilize Paraplex® Approach; For slush molding process > A-8000, A-8200, P-670, CF |
|                             | Interior trim items, molded parts, horn pads and air bag covers | Long term permanence, low volatility, good heat aging                                     | CF, TOTM, G-62, utilize Paraplex® Approach, ESO  |
|                             | Plastisol sealants  | Low volatility and migration resistance   | A-8000, A-8600, G-25, G-30, G-40, G-54, G-57, P-550, P-670   |
| Belting                     | Food conveying  | Oil extraction resistance   | A-8000, A-8200, A-8600, G-30, G-62, P-643, ESO   |
|                             | Grain conveying   | Low temperature flexibility and extraction resistance                                     | A-8000, A-8210, G-30, G-62, P-670, ESO   |
|                             | General conveying   | Extraction resistance   | A-8200, A-8600, G-30, G-40, G-41, G-54, G-57, G-62, P-7046, ESO  |
| Coatings                    | Coil  | Flexibility and permanence  | TOTM, G-30, P-550  |
|                             | Paints  | Flexibility and permanence  | A-8000, G-30, G-41, G-57, G-62, ESO  |
|                             | Pigment dispersions   | Flexibility and permanence  | G-59, G-62, ESO  |
| Construction and Housing    | Roofing, wall coverings, upholstery fabric                      | Low temperature resistance and permanence   | A-8200, A-8600, G-57, P-7046   |
|                             |   | Permanence  | A-8000, A-8210, G-50   |
|                             |   | For extraction resistance   | A-8200, A-8600, G-40, G-54, P-550, P-7046  |
|                             |   | For migration resistance  | A-8200, A-8600, G-40, G-54, G-57, G-59, G-62, P-550, P-7046  |
|                             |   | For low temperature flexibility   | CF, DOS, DOZ, A-8000, A-8210, G-62, ESO  |
| Foam (expanded sheet goods) | Sealing applications  | Flexibility, permanence, and cell formation   | A-8030, A-9000, P-550  |
|                             | Sound deadening   | Flexibility, permanence, and cell formation   | A-8030, A-9000   |
| Food Contact                | Can linings   | Extraction resistance   | A-8200, G-25, G-54, G-62   |
|                             | Conveyor belting  | Extraction resistance   | A-8000, A-8200, A-8600, G-30, G-62, P-643, ESO   |
|                             | Crown seals   | Extraction resistance   | A-8200, A-8210, G-25, G-54, G-62, DBS  |
|                             | Hose and tubing   | Extraction resistance   | A-8200, G-57, P-643  |

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| SEGMENT                                     | End Product  | Desired Performance Property                                     | Paraplex®/Plasthall® Choices  |
|---|--|--|---|
| Footwear                                    | Slush molded   | Extraction resistance  | G-30, G-54, G-62  |
|   | Cast plastisol   | Low temperature flexibility                                      | DIDA, A-8000, P-670, ESO  |
| Gloves                                      | Dip molding  | Extraction resistance  | DIDA, A-8000, A-8200, G-30, G-54, G-62, P-670, ESO                        |
|   |  | Low temperature flexibility                                      | A-8000, CF, DIDA, G-62, P-670, ESO  |
| Graphic Film                                | Decals, billboards, graphic wraps, printed fabric and film | Printability and migration resistance                            | A-8200, P-953, G-57, G-59, UVC  |
| Hose and Tubing<br>(also, see Food Contact) | Gasoline carrying  | Extraction resistance  | A-8000, A-8200, A-8600, G-54, G-57, G-59, P-670, P-7046, P-7092           |
|   |  | Low temperature flexibility                                      | A-8000, P-670   |
| Medical                                     | Film and tape  | Extraction and migration resistance                              | A-8200, A-8600, G-54, G-57, G-62, P-643                                   |
|   | Tubing   | Migration resistance   | A-8200, A-8210, A-8600, P-643   |
| Print Rolls                                 | PVC ink rolls  | Solvent extraction   | A-8200, A-8600, G-40, G-54, G-57, P-550, P-7046                           |
| Tapes and Decals<br>(adhesive backed)       | Electrical tape  | Low temperature flexibility and migration resistance             | A-8000, G-57, P-670   |
|   | Specialty tape   | Permanence and migration resistance                              | A-8000, A-8200, A-8600, G-25, G-40, G-50, G-54, G-57, P-550, P-643, P-670 |
|   | Indoor applications<br>(decorative films and decals)       | Permanence and migration resistance                              | A-8000, A-8200, A-8210, A-8600, G-25, G-40, G-41, G-54, G-57, G-59, G-62  |
|   | Outdoor applications                                       | Permanence, migration and weather resistance                     | A-8200, A-8600, G-59, G-62, P-550, P-7046, P-7092, ESO                    |
| Wire and Cable                              | Machine tool   | Oil extraction resistance, low volatility and good heat aging    | A-8000, A-8200, A-8600, G-57, G-62, P-670, P-7092, ESO                    |
|   | Cable jacket   | Low temperature flexibility                                      | A-8000, A-8210, G-30, P-670   |
|   | Plenum   | Low temperature flexibility, low volatility and smoke resistance | P-745   |
|   | Telephone and electronic                                   | Lacquer mar resistance and migration resistance                  | TOTM, A-8200, A-8600, P-7046, P-7092                                      |