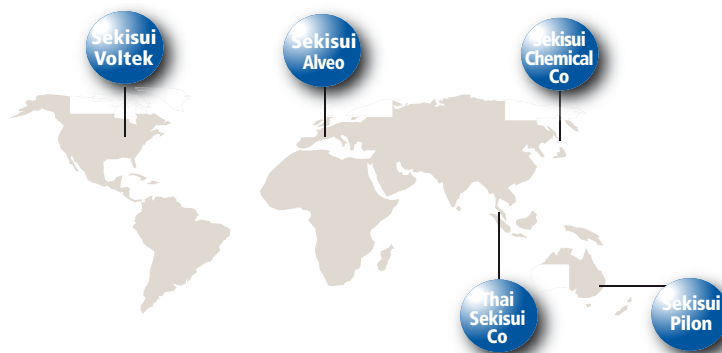


# The world of foams for automotive



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## Worldwide crosslinked PO Foam applications supplied by the Sekisui Group

The increasing trend towards light weight solutions combined with “comfort and economy,” calls for rather special cost effective materials. Environmentally neutral, our crosslinked polyolefin foam is just such a material. Its unique combination of **mechanical**, **chemical** and **thermal properties** makes it an ideal replacement for traditional foams such as EPDM rubber, polyurethane and PVC. The range of applications for crosslinked polyolefin foams includes: **interior trim; watershields; gasketing; mountings & fastenings; cable wiring; pressformed parts and motor undershield.**

### Key Applications by automotive manufacturers

| CAR MAKERS         | Dashboard | Doorpanel | Watershield | Undershield | Gasket | General |
|--------------------|-----------|-----------|-------------|-------------|--------|---------|
| GM (group 4)       | X         | X         | X           | X           | X      |         |
| FORD (group 3)     |           | X         | X           | X           | X      |         |
| TOYOTA             |           | X         | X           |             |        | X       |
| VW (group 5)       |           | X         | X           | X           | X      |         |
| FIAT               |           |           |             | X           | X      |         |
| NISSAN             |           | X         |             | X           |        | X       |
| CHRYSLER (group 2) |           | X         |             | X           | X      |         |
| HONDA              | X         | X         |             |             |        | X       |
| PEUGEOT/CITROEN    | X         | X         | X           | X           | X      |         |
| MITSUBISHI         | X         | X         |             |             |        | X       |
| RENAULT            |           | X         | X           | X           | X      |         |
| SUZUKI             |           | X         |             |             |        |         |
| DAIHATSU           |           |           |             |             |        |         |
| BMW (group 1)      | X         | X         | X           | X           | X      |         |
| MERCEDES BENZ      | X         | X         |             | X           | X      |         |
| ISUZU              |           |           |             |             |        |         |
| PORSCHE            | X         | X         | X           |             |        |         |
| SUBARU             | X         | X         |             |             |        | X       |
| VOLVO              |           | X         | X           | X           |        |         |

1) BMW Group: BMW, Rover 2) Chrysler Group: Plymouth, Dodge, Jeep, Chrysler 3) Ford Group: Mazda, Mercury, Lincoln, Jaguar, Ford  
 4) GM Group: Buick, Cadillac, Chevrolet, Opel, Pontiac, Saab, Holden 5) VW Group: Audi, Seat, Skoda, VW

### Key Product lines by automotive application

| TN | PILON | SEKISUI | ALVEO | VOLTEK | Mould Process |     |     | Key Application |           |             |           |             |         |   |
|----|-------|---------|-------|--------|---------------|-----|-----|-----------------|-----------|-------------|-----------|-------------|---------|---|
|    |       |         |       |        | VF            | LPM | PM  | Dashboard       | Doorpanel | Watershield | Headliner | Undershield | General |   |
| PP | SPV   | SPV     | TPSPV | VS     | ++            |     |     | X               | X         |             |           |             | X       |   |
|    | SPVA  | SPVA    | TPVX  | VSA    | +++           |     |     | X               | X         |             |           |             |         |   |
|    | SPSMK | SPSMK   | TPSMK | RSK    | +             | ++  | +++ | X               | X         |             |           |             |         |   |
|    | SPLPM | SPLPM   | TPLPM | RS     | +             | +++ | ++  | X               | X         |             |           |             |         |   |
| PE | SVF   | IF      | TL    | AS     | ++            |     |     |                 | X         | X           | X         |             |         | X |
|    | S     | S       | TA    | A      | +             |     |     |                 |           | X           | X         |             |         | X |

TN: Trade name used by each company VF: Vacuum Forming PM: Press Moulding LPM: Low Pressure Moulding