

# INOVYN™ & BIOVYN™ PVC resins for Thermoplastic Processing

## Main applications

| Grades                        | BIOVYN™<br>Grades | K-value<br>ISO 1628-2 | Apparent<br>bulk<br>density¹<br>kg/dm³<br><br>ISO 60 | Extrusion |       |        |      |             |      |       |                  |         | Calendering |                  |          | Blow<br>moulding | Injection moulding |             | Characteristics      |
|-------------------------------|-------------------|-----------------------|------------------------------------------------------|-----------|-------|--------|------|-------------|------|-------|------------------|---------|-------------|------------------|----------|------------------|--------------------|-------------|----------------------|
|                               |                   |                       |                                                      | Rigid     |       |        |      | Plasticised |      |       |                  |         | Rigid       | Plasticised      |          | Rigid            | Rigid              | Plasticised |                      |
|                               |                   |                       |                                                      | Profiles  | Pipes | Sheets | Foam | Profiles    | Tube | Cable | Film &<br>sheets | Gaskets | Film        | Film &<br>Sheets | Flooring | Bottles          |                    |             |                      |
| Homopolymer Suspension resins |                   |                       |                                                      |           |       |        |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| 250SB                         | x                 | 50                    | 0.59                                                 |           |       |        | x    |             |      |       |                  |         | x           |                  |          | x                | x                  |             | High fluidity        |
| S5736                         |                   | 56                    | 0.575                                                | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| S5737                         |                   | 56                    | 0.575                                                | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| S5745                         | x                 | 57                    | 0.58                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| 257RD                         |                   | 57                    | 0.61                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| 257RF                         | x                 | 57                    | 0.56                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| 258RD                         |                   | 58                    | 0.54                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          | x                | x                  | x           |                      |
| S6037                         |                   | 60                    | 0.56                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          |                  | x                  |             |                      |
| S6045                         | x                 | 60                    | 0.57                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  | x        |                  | x                  |             |                      |
| 260RF                         | x                 | 60                    | 0.54                                                 | x         |       | x      | x    |             |      |       |                  |         | x           |                  |          |                  | x                  |             |                      |
| S6261                         | x                 | 62                    | 0.57                                                 | x         |       |        |      |             |      |       |                  |         |             | x                | x        |                  |                    |             |                      |
| 263RB                         |                   | 63                    | 0.56                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          | x                |                    |             |                      |
| 264GC                         |                   | 64                    | 0.53                                                 | x         | x     |        |      | x           | x    | x     | x                | x       |             | x                | x        |                  |                    | x           |                      |
| 264PC                         | x                 | 64                    | 0.55                                                 | x         | x     |        |      | x           | x    | x     | x                | x       |             | x                | x        |                  |                    | x           |                      |
| S6545                         | x                 | 65                    | 0.58                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| S6636                         |                   | 66                    | 0.575                                                | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| S6745                         | x                 | 67                    | 0.57                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| S6770                         | x                 | 67                    | 0.59                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| 267RC                         | x                 | 67                    | 0.58                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| 267RD                         |                   | 67                    | 0.58                                                 | x         | x     | x      |      |             |      |       |                  |         |             |                  |          |                  |                    |             |                      |
| S7060                         | x                 | 70                    | 0.49                                                 |           |       |        |      | x           | x    | x     | x                | x       |             | x                | x        |                  |                    | x           |                      |
| S7060                         | x                 | 70                    | 0.49                                                 |           |       |        |      |             | x    |       | x                |         |             | x                |          |                  |                    | x           | Medical applications |
| 271DF                         |                   | 71                    | 0.50                                                 |           |       |        |      | x           | x    | x     | x                | x       |             | x                | x        |                  |                    | x           |                      |
| 271PC                         | x                 | 71                    | 0.50                                                 |           |       |        |      | x           | x    | x     | x                | x       |             | x                | x        |                  |                    | x           |                      |
| 271GA                         | x                 | 71                    | 0.53                                                 |           |       |        |      |             | x    |       | x                |         |             | x                |          |                  |                    | x           | Medical applications |

<sup>1</sup> with antistatic agent addition

General purpose grades

Specialty grades

x: BIOVYN grades

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|-------------------------------|-------------------|-----------------------|------------------------------------------------------|-----------|-------|--------|------|-------------|------|-------|------------------|-------------|-------------|------------------|------------------|--------------------|-------------|-----------------------------------------------------|
|                               |                   |                       |                                                      | Rigid     |       |        |      | Plasticised |      |       |                  | Rigid       | Plasticised |                  | Rigid            | Rigid              | Plasticised |                                                     |
|                               |                   |                       |                                                      | Profiles  | Pipes | Sheets | Foam | Profiles    | Tube | Cable | Film &<br>sheets | Gaskets     | Film        | Film &<br>Sheets | Flooring         |                    |             |                                                     |
| S7560                         | x                 | 75                    | 0.49                                                 |           |       |        |      | x           | x    | x     | x                | x           |             | x                |                  |                    | x           | Medical applications.<br>High mechanical properties |
| S8060                         | x                 | 80                    | 0.48                                                 |           |       |        |      | x           | x    | x     | x                | x           |             | x                |                  |                    | x           | Medical applications.<br>High mechanical properties |
| S9060                         | x                 | 90                    | 0.46                                                 |           |       |        |      | x           | x    | x     | x                | x           |             | x                |                  |                    | x           | Medical applications.<br>Rubber-like properties     |
| Homopolymer Dispersion resins |                   |                       |                                                      |           |       |        |      |             |      |       |                  |             |             |                  |                  |                    |             |                                                     |
| 173GB                         |                   | 73                    | -                                                    | x         |       |        |      |             |      |       |                  |             |             |                  |                  |                    | x           | For blends with S-PVC resins                        |
| Copolymer VC-VAc resins       |                   |                       |                                                      |           |       |        |      |             |      |       |                  |             |             |                  |                  |                    |             |                                                     |
| 550GA                         | x                 | 50                    | 0.53                                                 |           |       |        |      |             |      |       |                  |             |             |                  | x                |                    |             | 13% VAc - Vinyl records, inks and<br>glues          |
| 557RB                         | x                 | 57                    | 0.55                                                 |           |       | x      |      |             |      |       |                  |             | x           |                  | x                |                    |             | 11% VAc - improved thermoforming                    |

¹ with antistatic agent addition

General purpose grades

Specialty grades

x: BIOVYN grades

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