

# FLEXITEQ™ V70A010UV

Thermoplastic Polyolefin Elastomer

Marplex Australia Pty. Ltd.

## Message:

FLEXITEQ™ V70A010UV is a soft-touch and flexible thermoplastic polyolefin elastomer designed for profile extrusion applications, and can be formulated in a pre-coloured material. FLEXITEQ™ V70A010UV features an optimal balance of processability, formability and toughness together with enhanced heat and UV stability, and can be processed on conventional thermoplastic equipment for extrusion.

| General Information                        |                     |                   |             |
|--|---------------------|-------------------|-------------|
| Additive                                   | Heat Stabilizer     |                   |             |
|  | UV Stabilizer       |                   |             |
| Features                                   | Good Flexibility    |                   |             |
|  | Good Processability |                   |             |
|  | Good Toughness      |                   |             |
|  | Good UV Resistance  |                   |             |
|  | Heat Stabilized     |                   |             |
|  | Soft                |                   |             |
| Uses                                       | Profiles            |                   |             |
| Processing Method                          | Extrusion           |                   |             |
|  | Profile Extrusion   |                   |             |
| Physical                                   | Nominal Value       | Unit              | Test Method |
| Specific Gravity                           | 0.958               | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                  |                     |                   | ASTM D1238  |
| 190°C/2.16 kg                              | 1.5                 | g/10 min          |             |
| 190°C/5.0 kg                               | 5.7                 | g/10 min          |             |
| Hardness                                   | Nominal Value       | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)       | 73                  |                   | ASTM D2240  |
| Elastomers                                 | Nominal Value       | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)      | 7.50                | MPa               | ASTM D412   |
| Tensile Elongation <sup>2</sup> (Break)    | 590                 | %                 | ASTM D412   |
| Tear Strength <sup>3</sup> (23°C)          | 43.0                | kN/m              | ASTM D624   |
| Compression Set <sup>4</sup> (23°C, 70 hr) | 35                  | %                 | ASTM D395B  |
| Injection                                  | Nominal Value       | Unit              |             |
| Drying Temperature                         | 70.0                | °C                |             |
| Drying Time                                | 2.0 to 4.0          | hr                |             |
| Rear Temperature                           | 130 to 150          | °C                |             |
| Middle Temperature                         | 160 to 180          | °C                |             |
| Front Temperature                          | 170 to 190          | °C                |             |

|                        |                   |    |
|------------------------|-------------------|----|
| Processing (Melt) Temp | 170 to 190        | °C |
| NOTE                   |                   |    |
| 1.                     | Die C, 500 mm/min |    |
| 2.                     | Die C, 500 mm/min |    |
| 3.                     | Die C, 500 mm/min |    |
| 4.                     | Type 2            |    |

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