



# TPI POLENE PUBLIC COMPANY LIMITED

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## ETHYLENE VINYL ACETATE

### POLENE N 8038

| TYPICAL DATA                                                                                                                                           | UNIT              | VALUE | TEST METHOD |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|-------------|
| <b><u>PROPERTY</u></b>                                                                                                                                 |                   |       |             |
| MELT FLOW INDEX (2.16 kg /190 °C)                                                                                                                      | g /10min          | 2.8   | ASTM D 1238 |
| DENSITY                                                                                                                                                | g/cm <sup>3</sup> | 0.941 | ASTM D 1505 |
| VA CONTENT                                                                                                                                             | %                 | 18    | TPI METHOD  |
| TENSILE STRENGTH AT YIELD                                                                                                                              | MPa               | 4.5   | ASTM D 638  |
| TENSILE STRENGTH AT BREAK                                                                                                                              | MPa               | 24    | ASTM D 638  |
| ULTIMATE ELONGATION                                                                                                                                    | %                 | 820   | ASTM D 638  |
| HARDNESS SHORE - D                                                                                                                                     | -                 | 37    | DIN 53505   |
| VICAT SOFTENING TEMPERATURE                                                                                                                            | °C                | 62    | ASTM D 1525 |
| MELTING TEMPERATURE                                                                                                                                    | °C                | 86    | ASTM D 3418 |
| <br><b><u>CHARACTERISTICS</u></b> HIGH ELASTICITY, GOOD MECHANICAL PROPERTIES,<br>GOOD LOW TEMPERATURE RESISTANCE                                      |                   |       |             |
| <br><b><u>ADDITIVES</u></b> NO SLIP/NO ANTIBLOCK                                                                                                       |                   |       |             |
| <br><b><u>REGULATORY INFORMATION</u></b> - COMPLIES WITH THE U.S. F.D.A. 21 CFR 177.1520 & EU F.D.A. 2002/72/EC<br>- COMPLIES WITH THE RoSH 2002/95/EC |                   |       |             |
| <br><b><u>APPLICATIONS</u></b> - INJECTION for Shoes<br>- FOAM SHEET for Shoes, Sandals<br>- TOYS                                                      |                   |       |             |
| <br><b><u>PROCESSING TEMPERATURE</u></b> 130 - 180 °C                                                                                                  |                   |       |             |

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**REMARK :** THE VALUES PRESENTED ON THE ABOVE ARE TYPICAL LABORATORY AVERAGE, NOT TO BE CONSTRUED AS SPECIFICATIONS AND MAY VARY WITHIN MODERATE RANGES. THE APPLICABILITY OR THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF OUR PRODUCTS CANNOT BE GUARANTEED BECAUSE THE CONDITIONS OF USE ON THE PART OF OUR USERS ARE BEYOND OUR CONTROL.