



**ENFLEX VU-427-60A**

**ENFLEX-V**

**Product Description :** This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend for general purpose applications. ENFLEX® series are completely recyclable and can be processed with conventional thermoplastics machinery

**Additive Packages :** T / Heat and UV stabilizer  
/

**Key Features :** Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Improved flow, easy processing  
Colorable with proper MB (PE, PP, etc. based)

**Process Method :** Extrusion, coextrusion, sheet extrusion, injection/multi injection molding

**Uses :** Automotive, construction, home appliances, wire&cable, industrial applications

|                                       | Value | Unit     | Standard            |
|---------------------------------------|-------|----------|---------------------|
| <b>Physical</b>                       |       |          |                     |
| Hardness                              | 60    | SHORE A  | ISO 868 (3 second ) |
| Density                               | 0,97  | gr / cm3 | ISO 1183 1-A        |
| Brittleness Point                     | -45   | °C       | *                   |
| <b>Mechanical</b>                     |       |          |                     |
| 100% Modulus                          | 1,8   | Mpa      | ISO 37, DIN 53504   |
| 300% Modulus                          | 3,2   | Mpa      | ISO 37, DIN 53504   |
| Tensile Strength At Break             | 9,5   | Mpa      | ISO 37, DIN 53504   |
| Elongation at Break                   | 690   | %        | ISO 37, DIN 53504   |
| Tear Strength (Perpendicular to flow) | 34    | kN/m     | ISO 34-1            |
| <b>Aging</b>                          |       |          |                     |
| Compression Set (72h/23°C)            | 33    | %        | ASTM D 395-89-B     |
| Compression Set (22h/70°C)            | 40    | %        | ASTM D 395-89-B     |
| Compression Set (22h/100°C)           | 52    | %        | ASTM D 395-89-B     |
| <b>Thermal</b>                        |       |          |                     |
| Max. Dynamic Service Temperature      | 110   | °C       | *                   |
| Max. Static Service Temperature       | 135   | °C       | *                   |

Data Sheet



Ravago Petrokimya



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|                |           |
|----------------|-----------|
| Water          | Excellent |
| Alcohol        | Excellent |
| Olive Oil      | Fair      |
| Sulphuric Acid | Good      |
| Detergent      | Good      |

**Environmental Resistance**

|       |           |
|-------|-----------|
| Ozone | Excellent |
|-------|-----------|

**Drying Condition**

|                        |       |
|------------------------|-------|
| Drying Time(hr)        | 2     |
| Drying Temperature(°C) | 80-90 |

**Molding Condition (°C)**

|                                    |         |
|------------------------------------|---------|
| 1st Zone (hopper)(°C)              | 170-180 |
| 2nd Zone(°C)                       | 180-190 |
| 3rd Zone(°C)                       | 190-200 |
| Nozzle(°C)                         | 200-210 |
| Melt Temperature(°C)               | 210-220 |
| Mold Temperature(°C)               | 10-50   |
| Max Allowable Melt Temperature(°C) | 250 C   |

**Extrusion Condition (°C)**

|                                   |           |
|-----------------------------------|-----------|
| Feed Zone Temperature (°C)        | 170 - 190 |
| Compression Zone Temperature (°C) | 180 - 195 |
| Melting Zone Temperature (°C)     | 195 - 205 |
| Extruder Head Temperature (°C)    | 200 - 210 |
| Die Temperature (°C)              | 200 - 220 |

