



## EZPRENE VU-320-55A

### EZPRENE-V

|                              |  |
|------------------------------|--|
| <b>Product Description :</b> | This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with improved flow behaviour. EZPRENE® series are completely recyclable and can be processed with conventional thermoplastics machine           |
| <b>Additive Packages :</b>   | T / Heat and UV stabilizer<br>/  |
| <b>Key Features :</b>        | Non-hygroscopic, no pre-drying<br>Excellent ozone, UV and weathering resistance<br>Rubberlike elasticity in a wide temperature range and low compression set<br>Easy processing, faster cycle time over conventional TPVs<br>Easy colorability with proper MB (PE, PP, e |
| <b>Process Method :</b>      | Extrusion, coextrusion, blow molding, sheet extrusion, injection/multi injection molding   |
| <b>Uses :</b>                | Automotive, construction, home appliances, wire&cable, industrial applications   |

|                                       | Value | Unit     | Standard            |
|---------------------------------------|-------|----------|---------------------|
| <b>Physical</b>                       |       |          |                     |
| Hardness                              | 55    | SHORE A  | ISO 868 (3 second ) |
| Density                               | 0,98  | gr / cm3 | ISO 1183 1-A        |
| Brittleness Point                     | -45   | °C       | *                   |
| <b>Mechanical</b>                     |       |          |                     |
| 100% Modulus                          | 1,6   | Mpa      | ISO 37, DIN 53504   |
| 300% Modulus                          | 3,1   | Mpa      | ISO 37, DIN 53504   |
| Tensile Strength At Break             | 6,6   | Mpa      | ISO 37, DIN 53504   |
| Elongation at Break                   | 540   | %        | ISO 37, DIN 53504   |
| Tear Strength (Perpendicular to flow) | 28    | kN/m     | ISO 34-1            |
| <b>Aging</b>                          |       |          |                     |
| Compression Set (72h/23°C)            | 23    | %        | ASTM D 395-89-B     |
| Compression Set (22h/70°C)            | 28    | %        | ASTM D 395-89-B     |
| <b>Thermal</b>                        |       |          |                     |
| Max. Dynamic Service Temperature      | 110   | °C       | *                   |
| Max. Static Service Temperature       | 135   | °C       | *                   |



Ravago Petrokimya



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#### Environmental Resistance

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

#### Drying Condition

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|                        |              |
|------------------------|--------------|
| Drying Time(hr)        | Not required |
| Drying Temperature(°C) | Not required |

#### Molding Condition (°C)

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|                                    |         |
|------------------------------------|---------|
| 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)

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|                                   |           |
|-----------------------------------|-----------|
| 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 |

