

ENFLEX VU-420-60A

ENFLEX-V



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|------------------------------|---|
| Product Description : | This polyolefin based thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with improved flow behaviour. 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 Low compression set Easy processing Colorable with proper MB (PE, PP, etc. based) |
| Process Method : | Extrusion, coextrusion, blow molding, sheet extrusion, injection/multi injection molding |
| Uses : | Automotive, construction, home appliances, wire& cable, industrial applications |
| Revision Date : | 01.08.2021 |

| | Value | Unit | Standard |
|---------------------------------------|-------|----------|--------------------|
| Physical | | | |
| Hardness | 60 | SHORE A | ISO 868 (3 second) |
| Density | 0,97 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| 100% Modulus | 1,5 | Mpa | ISO 37, DIN 53504 |
| 300% Modulus | 3,0 | Mpa | ISO 37, DIN 53504 |
| Tensile Strength At Break | 5,5 | Mpa | ISO 37, DIN 53504 |
| Elongation at Break | 550 | % | ISO 37, DIN 53504 |
| Tear Strength (Perpendicular to flow) | 27 | N/mm | ISO 34-1 Method B |
| Aging | | | |
| Compression Set (72h/23°C) | 25 | % | ISO 815 |
| Compression Set (22h/70°C) | 32 | % | ISO 815 |
| Compression Set (22h/100°C) | 45 | % | ISO 815 |

Environmental Resistance

Ozone Excellent



Ravago Petrokimya Uretim A.S.

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

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 |

Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.



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