



ENFLEX VM-564-85A

ENFLEX-V

Product Description : This polyolefin based dynamically vulcanized TPE-V compound is flame retardant and dio1ine free.ENFLEX® series are competely recyclable and can be processed with conventional thermoplastics machinery

Additive Packages : F / Heat and UV stabilizer and flame Retardant /

Key Features : V0 at 1,6 mm according to UL94 (internally tested)
Excellent ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Colorable with proper MB (PE, PP, etc. Based)

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

Uses : Automotive, construction, electric&electronics, wire&cable, industrial applications

| | Value | Unit | Standard |
|---------------------------------------|-------|----------|--------------------|
| Physical | | | |
| Hardness | 85 | SHORE A | ISO 868 (3 second) |
| Density | 1,15 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| 100% Modulus | 4,5 | Mpa | ISO 37, DIN 53504 |
| 300% Modulus | 6,2 | Mpa | ISO 37, DIN 53504 |
| Tensile Strength At Break | 8,1 | Mpa | ISO 37, DIN 53504 |
| Elongation at Break | 473 | % | ISO 37, DIN 53504 |
| Tear Strength (Perpendicular to flow) | 61 | N/mm | ISO 34-1 Method B |
| Flammability | | | |
| Flammability (1,6 mm) | V0 | * | UL 94 |

Environmental Resistance

| | |
|-----------|-----------|
| Ozone | Excellent |
| Water | Excellent |
| Alcohol | Excellent |
| Olive Oil | Fair |



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

