

ENFLEX® VU-420-80A

Technical DataSheet | Supplied by Ravago Manufacturing Americas

ENFLEX® VU-420-80A by Ravago Manufacturing Americas is a thermoplastic vulcanizate (TPV) grade. It belongs to economical, vulcanized EPDM/PP series. It exhibits ozone- and UV resistance, very good fatigue resistance and tear strength. It offers low fogging and self-coloring due to proper masterbatches (MB) and utilized as pre-colored compounds. It is suitable for injection molding processing method. ENFLEX® VU-420-80A can be possibly used in construction, appliance, houseware, electric & electronics, automotive interior, exterior and under the hood applications.

Product Type	TPV or TPE-V (Vulcanized Olefinic)
Physical Form	Pellets
Product Status	COMMERCIAL
Geographical Availability	Central and Eastern Europe, Western Europe
Applications/ Recommended for	Appliances Automotive Buildings & constructions Electrical markets Electronics / Computers Households products/ Consumer Goods Injection molding - thermoplastics
Key Features	Fatigue Resistant Tear Strength, Good UV Resistance, Good

ENFLEX® VU-420-80A Properties

Physical	Value & Unit	Test Condition	Test Method
Density	0.970 g/cm ³	Tested in accordance with ISO 2781	ISO 1183

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Strength	3.30 MPa	At 100% Strain	ISO 37

Tensile Strength	4.80 MPa	At 300% Strain	ISO 37
Tensile Strength at Break	9.50 MPa		ISO 37
Tear Strength	55.0 kN/m		ISO 34-1
Compression Set	47 %	At 70°C, 22 hr	ASTM D395B
Compression Set	61 %	At 100°C, 22 hr	ASTM D395B
Hardness, Shore A	80		ISO 868
Elongation at Break	610 %		ISO 37

Thermal	Value & Unit	Test Condition	Test Method
Brittleness Temperature	-50 °C		ISO 974
Maximum Service Temperature, Air	135 °C	Dynamic	

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