

ENFLEX-V

ENFLEX VU-424-70A

Product Description

Economical, extrusion & injection, fully vulcanized EPDM/PP series

Additive Packages

T Heat and UV stabilizer

Properties	Value	Unit	Standard
<u>Physical</u>			
Hardness	70	SHORE A	ISO 868 (3 second)
Density	0,96	gr / cm3	ISO 2781
Brittleness Point	-45	°C	*
<u>Mechanical</u>			
100% Modulus	2,8	Mpa	ISO 37, DIN 53504
300% Modulus	4,0	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	9,2	Mpa	ISO 37, DIN 53504
Elongation at Break	685	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	41	kN/m	ISO 34-1
<u>Aging</u>			
Compression Set (72h/23°C)	27	%	ASTM D 395-89-B
Compression Set (22h/70°C)	40	%	ASTM D 395-89-B
<u>Thermal</u>			
Max. Dynamic Service Temperature	110	°C	*
Max. Static Service Temperature	135	°C	*

Features

Rubberlike elasticity
Ease of coloring by proper MB (PE,PP,etc. based)
Low compression set
Ease of processing
Recyclability

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

Environmental Resistance

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

Notes:

The above test results are obtained from laboratory injection molded ISO samples and cannot be used directly to determine end-use or design specification. The customer should determine the suitability to his/her application through their internal testing procedure. Datasheet values represent a statistical average or product properties and they may change with increasing data points.