

ENFLEX VU-420-65A

ENFLEX-V



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 :	01.03.2017

	Value	Unit	Standard
Physical			
Hardness	65	SHORE A	ISO 868 (3 second)
Density	0,97	gr / cm3	ISO 1183 1-A
Brittleness Point	-45	°C	*
Mechanical			
100% Modulus	2,2	Mpa	ISO 37, DIN 53504
300% Modulus	3,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	6,9	Mpa	ISO 37, DIN 53504
Elongation at Break	550	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	39	kN/m	ISO 34-1
Aging			
Compression Set (72h/23°C)	28	%	ISO 815
Compression Set (22h/70°C)	37	%	ISO 815
Compression Set (22h/100°C)	43	%	ISO 815
Thermal			
Max. Dynamic Service Temperature	110	°C	*
Max. Static Service Temperature	135	°C	*



Ravago Petrokimya Üretim A.S

Main Office : Merkez Mh. Akar Cad. 1 - Tower No : 3 Kat : 28-29 Şişli - İstanbul Turkey

Plant : Akse Mh. Fevzi Çakmak Cad. No : 130 Çayırova - Kocaeli 41420 Turkey

ENPLAST Americas, Inc.

Plant : 616 111th Street, Arlington Texas 76011 - USA

Tel : +90 262 672 10 50

Fax : +90 262 672 10 51

Tel : +1 817 635 47 70

Mail : info@ravagopetrokimya.com.tr

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Environmental Resistance

Ozone	Excellent
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;



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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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