



ENFLEX® VX-221-70A

Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

General Information

Product Description

This polyolefin based dynamically vulcanized TPE-V compound is specifically designed for adhesion to PA. ENFLEX® series are completely recyclable and can be processed with conventional thermoplastics machinery

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Good adhesion to PA

Excellent ozone, UV and weathering resistance

Rubberlike elasticity in a wide temperature range

Colorable with proper MB (PE, PP, etc. based)

Process Method :

Extrusion, injection/multi injection molding

Uses :

Automotive, home appliances, industrial applicatons, soft touch applications

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant	• Heat Stabilized	
	• Good Adhesion	• High Elasticity	• UV Resistant
	• Good Colorability	• Ozone Resistant	• UV Stabilized
	• Good Weather Resistance	• Recyclable Material	
Uses	• Appliances	• Industrial Applications	
	• Automotive Applications	• Soft Touch Applications	
Processing Method	• Extrusion	• Injection Molding	• Multi Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	3.50	MPa	ISO 37
Tensile Elongation (Break)	130	%	ISO 37
Tear Strength - Across Flow	20.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	44	%	
70°C, 22 hr	70	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	70		ISO 868

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Injection	Nominal Value	Unit
Drying Temperature	80 to 90	°C
Drying Time	2.0	hr
Hopper Temperature	220 to 240	°C
Middle Temperature	225 to 245	°C
Front Temperature	230 to 250	°C
Nozzle Temperature	235 to 255	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	80	°C

Notes

¹ Typical properties: these are not to be construed as specifications.