



# EZPRENE® 65A-400BSHF

## Ravago Manufacturing Turkey - Thermoplastic Vulcanizate

### General Information

#### Product Description

This polyolefin based non-hygroscopic thermoplastic elastomer (TPE-V) compound is a dynamically vulcanized EPDM/PP blend with super high flow behaviour. EZPRENE® series are completely recyclable and can be processed with conventional thermoplastics machinery

#### Additive Packages :

S / Antiscratch  
H / Heat stabilizer

#### Key Features :

Non hygroscopic, no pre-drying  
Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Super high flow for difficult injection molding applications  
Easy colorability with proper MB (PE, PP, etc. based)

#### Process Method :

Injection/multi injection molding

#### Uses :

Automotive: Glass encapsulation and thin-walled complex parts

#### General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Heat Stabilizer		
Features	• Chemical Resistant • Good Colorability • Good Scratch Resistance • Good Weather Resistance	• Heat Stabilized • High Elasticity • High Flow • Low to No Water Absorption	• Ozone Resistant • Recyclable Material • UV Resistant
Uses	• Automotive Applications	• Encapsulant	• Thin-walled Parts
Processing Method	• Injection Molding	• Multi Injection Molding	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.90	MPa	ISO 37
Tensile Stress (300% Strain)	2.90	MPa	ISO 37
Tensile Stress (Break)	5.80	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
Tear Strength - Across Flow	30.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	27	%	
70°C, 22 hr	39	%	
100°C, 22 hr	51	%	

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	65		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-45.0	°C	
Service Temperature			
Dynamic	110	°C	
Static	135	°C	

### Processing Information

Injection	Nominal Value	Unit
Hopper Temperature	170 to 180	°C
Middle Temperature	180 to 190	°C
Front Temperature	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Processing (Melt) Temp	210 to 220	°C
Mold Temperature	10 to 50	°C

#### Injection Notes

Max Allowable Melt Temperature: 250°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.