

# Fainplast HERS 05/2

Ethylene Vinyl Acetate Copolymer

Fainplast Compounds S.r.l

## Message:

Crosslinkable and expandable compound based on EVA.

General Information			
Features	Foamable property		
	Crosslinkable		
Uses	Packaging		
	Furniture		
	Foam		
	Footwear		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.450 - 0.510	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage (70°C, 24 hours)	< 3.8	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
Shaw C	67 - 73		ASTM D2240
Shaw A, 381mm	48 - 52		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 3.00	MPa	ISO 527-2
Tensile Strain (Break)	> 380	%	ISO 527-2
Abrasion Resistance		mm <sup>3</sup>	Internal method
Coefficient of Linear Thermal Expansion	1.2	%	Internal method
Injection instructions			

Processing: This compound should be injected into moulds thermoregulated at 180-190 °C, where the crosslinking occurs in about 6/7 minutes. Upon opening the mould, the piece expands and its volume, depending on the type of material, increases with respect to the volume of the figure of the mould. Volume expansion is uniform in the three dimensions and increases linearly with a ratio of 1.2.

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