



## REPSOL HEALTHCARE<sup>®</sup> HVA08G

EVA HVA08G is an ethylene-vinyl acetate copolymer used for transdermal patches but also for small blow molding or injection molding for healthcare applications. This material combines flexibility and toughness even at low temperatures. It contains antioxidant additives and allows gamma radiation and ethylene oxide sterilization.

Recommended melt temperature below 200°C to avoid the decomposition of the polymer. Processing conditions should be optimized for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (190 °C; 2.16 kg)	2	g/10'	ISO 1133
Vinyl acetate content	7,5	%	Internal (FTIR)
Density at 23°C	926	kg/m3	ISO 1183
Vicat softening temperature (load 10N)	80	°C	ISO 306
Melting temperature	103	°C	Internal (DSC)
<b>Mechanical</b>			
Tensile strength at break	19	MPa	ISO 527-2
Elongation at break	750	%	ISO 527-2
Shore D hardness	46	-	ISO 868

EVA HVA08G additives are in compliance with EP 3.1.3 and EP 3.1.7. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### STORAGE

EVA HVA08G should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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- This product(s) may not be used in:
  - any U.S. FDA Class I and/or European Union Class I Medical Devices (Non-invasive devices), without prior notification to Seller for each specific product and application
  - the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II and/or European Union Class II Medical Devices:
    - Category IIa: Invasive devices with limited risk: e.g. syringes, lancets, insulin pens.
    - Category IIb: Invasive devices with higher risk: e.g. pouches for dialysis processes.
    - U.S. FDA Class III, and/or European Class III Medical Devices; Category III: Very high risk devices: long-term (> 29 days) or permanent implants, long term (> 29 days) applications in direct contact with any body part or any body fluid.
- Repsol makes no warranties, express or implied, which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose
- Repsol accepts no liability from the use of Repsol products in conjunction with other materials.
- Before using a product sold by Repsol, users should make their own independent determination that the product is safe, lawful and technically suitable for the intended use.

*This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.*

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