Technical data sheet Chemicals

REPSOL

REPSOL Healthcare

REPSOL HEALTHCARE® HVA28G2

EVA HVA28G2 is an ethylene-vinyl acetate copolymer with low gel content used for production of medical tubing and drainage but can also be used for injection moulding for healthcare applications. It contains antioxidant additives and free flowing agent.

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

EVA HVA28G2 additives are in compliance with EP 3.1.3 and EP 3.1.7. For further information,

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg)	7	g/10min	ISO 1133
Vinyl acetate content	28	%	Internal method
Density at 23°C	950	Kg/cm^3	ISO 1183
Ring-ball softening point	142	°C	ASTM E-28
Melting temperature	71	°C	Internal method
Brookfield viscosity 200°C (Spindle SC4-27)	1770000	cP	Internal method
Mechanical			
Tensile strength at break	22	MPa	ISO 527-2
Elongation at break	760	%	ISO 527-2
Shore A hardness	80	-	ISO 868
Shore D hardness	28	-	ISO 868

please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

EVA HVA28G2 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50ºC 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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles. Madrid
Tel. +34 91 753 86 00
atd_poliolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com