Technical data sheet Chemicals

REPSOL

REPSOL Healthcare

REPSOL HEALTHCARE HPP25G

HPP25G is a homopolymer grade with a high fluidity intended for injection moulding. It is characterised by good flow properties that enables to fill the mould easier and by short cycle times with big articles. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.
This grade has been produced with a Phthalate Free Catalytic system

Typical Applications

- ✓ Pharmaceutical packaging and healthcare applications
- ✓ Syringe Barrels
- ✓ Caps & Closures

Recommended melt temperature range from 190 to 250ºC. Processing conditions should be optimised for each production line. Physical blends with other materials might cause incompatibilities

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	25	g/10'	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
Melting temperature	164	ºC	Internal (DSC)
Mechanicals			
Flexural Modulus	1600	MPa	ISO 178
Charpy Impact Strength Notched 23ºC	3	kJ/m^2	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	85	ºC	ISO 75

For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.
HPP25G complies with EP 3.1.3 and 3.1.6., USP 88 class VI Biocompatibility and ISO 10993-4, ISO10993-5, ISO 10993-10 and ISO 10993-11

STORAGE

HPP25G should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC 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.

***This product(s) may not be used in:**

(i) **any U.S. FDA Class I and/or European Union Class I Medical Devices (Non-invasive devices), <u>without prior notification to Seller for each specific product and application</u>**

(ii) **the manufacture of any of the following, <u>without prior written approval by Seller for each specific product and application</u>: 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.

(iii) **in 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.

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