REPSOL HEALTHCARE HPR35PMD

HPR35PMD is a polypropylene random copolymer with high fluidity intended for injection moulding. It is characterised by its high transparency and improved organoleptic properties. Moulds are easily filled with this grade permitting short cycle times..

It is clarified and contains antistatic additives and slip agent. Itt is specifically intended for applications that require end articles with very low surface.
This grade has been produced with a Phthalate Free Catalytic system.

Typical Applications

- ✓ Healthcare Aplications
- ✓ Hypodermic syringe parts

Recommended melt temperature range from 230 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)	35	g/10'	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
Melting temperature	149	ºC	Internal (DSC)
Mechanicals			
Flexural Modulus	1050	MPa	ISO 178
Charpy Impact Strength Notched 23ºC	6	kJ/m^2	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	70	ºC	ISO 75

For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.
HPR35PMD complies in composition with USP

STORAGE

HPR35PMD 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), without prior notification to Seller for each specific product and application**

(ii) **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.

(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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