REPSOL HEALTHCARE HPR35CMD

HPR35CMD 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 that reduce the presence of dust during storage. These additives also facilitate article release from the mould.
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)	38	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

RELATED DOCUMENTS

- REGULATORY COMPLIANCE CERTIFICATE
- PRODUCT SAFETY DATA SHEET

STORAGE

HPR35CMD 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.

For further information about Technical Data, Regulatory Compliance and use of Repsol Healthcare grades, please contact our Technical Service and Development Laboratory or our Customer Care Service. End-users and convertors must follow mandatorily the next Medical Policy:

(i) Class I Medical Devices (European Union and/or U.S. FDA): the product may only be used for this purpose with prior notification to Repsol of each specific final application.
(ii) Class II Medical Devices (European Union and/or U.S. FDA): the product may only be used for this purpose with Repsol's prior written approval.
(iii) This product may not be used for implantable devices and for Class III Medical Devices (European Union and/or U.S. FDA).

***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**
***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**
***Repsol accepts no liability from the use of Repsol materials in conjunction with other materials**

January 2021

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