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REPSOL HEALTHCARE® HLD20S

HLD20S is a low density polyethylene grade of high fluidity intended for injection molding applications. It does not contain additives in its formulation.

For specific information on sterilization resistance, please contact the Technical Service & Development Department.

Applications

- Caps and Closures
- Injection molding articles

Recommended melt temperature range from 150 to 180ºC. Processing conditions should be optimized for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
GENERAL			
Melt Flow Rate (190ºC, 2.16 kg)	22	g/10 min	ISO 1133
Density at 23ºC	923	kg/m^3	ISO 1183
MECHANICAL			
Flexural Modulus	150	MPa	ISO 178
Tensile Strength at Break	9	MPa	ISO 527-2
Tensile Strain at Break	375	%	ISO 527-2
OTHER			
Vicat Softening Temperature (10N)	80	ºC	ISO 306
Shore Hardness	47	D Scale	ISO 868
Environmental Stress Cracking Resistance	2	h	ASTM D-1693 (1)

(1) 10% Igepal, 50°C

Storage

HLD20S 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.

Disclaimer

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold

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by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

Medical policy

The use of this product in any Medical Device must comply with the following criteria:

(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.

Related documents:

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety Data Sheet
- Regulatory Compliance Certificate

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