REPSOL ImpactO® HI1550KM

Provisional

REPSOL ImpactO® HI1550KM is a medium fluidity heterophasic copolymer with an excellent impact resistance, even at low temperatures. It is nucleated and contains a special antistatic formulation which provides an outstanding demoulding performance.

Applications

REPSOL ImpactO® HI1550KM is an excellent solution for high impact applications such as:

- Pails, boxes, industrial or consumer containers for cold storage.
- Interior Automotive Components
- High Impact Injection Articles: infant safety systems, toys, sports, leisure, etc.

Recommended melt temperature range from 190 to 250ºC. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	METHOD
General			
Melt flow rate (230°C/ 2,16 kg)	15	g/10 min	ISO 1133
Density at 23ºC	905	kg/m^3	ISO 1183
Mechanical			
Flexural modulus of elasticity	1.000	MPa	ISO 178
Charpy impact strength (23°C,notched)	57	kJ/m^2	ISO 179
Charpy impact strength (-20°C, notched)	9	kJ/m^2	ISO 179
Izod impact strength (23°C, notched)	52	kJ/m^2	ISO 179
Izod impact strength (-20°C, notched)	10	kJ/m^2	ISO 179
Thermal			
HDT A 1,8 MPa	45	ºC	ISO 75-2
HDT B 0,45MPa	70	ºC	ISO 75-2
Others *			
Emissions FOG	395	µg/g	VDA 278
Emissions VOC	157	µg/g	VDA 278
Odor	3	-	VDA 270

**values obtained from pellets*

The properties mentioned herein are exclusively related to pure grade REPSOL ImpactO® HI1550KM, not in conjunction with any other additives or fillers.

REPSOL ImpactO® HI1550KM complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

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Storage

REPSOL ImpactO® HI1550KM 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

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