

Product Data Sheet

ASPC HBM5510

PRODUCT DESCRIPTION:

HBM5510 is a high density polyethylene, specially developed for large blow molding and jerry cans. This grade offer high stiffness, good processability, very good ESCR and stiffness.

APPLICATIONS:

HBM5510 is recommended for multipurpose blow molding process. This product is suitable for manufacture of standard jerry cans and light weight jerry cans.

PRODUCT PROPERTIES:

Extruder barrel temperature: 180-220°C

Melt temperature: 200-235°C

Please note that, these processing conditions are recommended by producer only for 100% HBM5510 resin (not in the case of blending with any other compatible material), but because of the many particular factors which are outside our knowledge and control, and may affect the use of product, no warranty is given.

PRODUCT SPECIFICATION:

Properties	Value ⁽¹⁾	unit	Test method
Physical Properties			
Density (23 °C)	955	kg/m3	ISO 1183
MFI (190 °C /21.6Kg)	10	dg/min	ISO 1133
Bulk Density	> 0.50	g/cm3	ISO 60
Mechanical properties ⁽²⁾			
Tensile Modulus of elasticity	1100	MPa	ISO527-1
Tensile stress at Yield	27	MPa	ISO 527-1
Tensile strain at Yield	8	%	ISO 527-1
Notched Tensile impact strength(-30°C)	135	kJ/m2	ISO 8256/1A
Hardness			
Ball indentation Hardness	49	MPa	ISO 2039-1
ESCR	90	h	Basell
<i>Additive : Antioxidant-Heat stabilizer</i>			

Notes:

(1) Typical Values: not to be construed as specifications limits.

(2) Properties are based on compression molded sheet using 100% HBM5510.

TOXICITY AND SAFETY:

For more detailed information on handling, storage, safety parameters, refer to relevant SDS of Components.

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Note: *this information is based on our current knowledge and experience .in view of many factors that may affect processing and application, this data does not relive processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.*