

high Density Polyethylene HDI2061

Description:

HDI2061 is a High Density Polyethylene for Injection Molding Segment. By having good fluidity provides excellent processability, which promotes high productivity combined with good stiffness and hardness. The narrow molecular weight distribution gives low tendency to deformation.

This resin complies with ANSI/NSF Standard 61 and ANSI/NSF Standard 51.

The benefit of having both certifications makes this resin ideal for fittings that require direct contact with food and/or potable water.

Applications:

Medium to thin wall items, toys, large caps, household containers, caps.

Processes:

Injection molding.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	20.00
Density	ASTM D792	g/cm ³	0.955

Typical Properties¹

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D638	MPa	27
Tensile Strength at Break	ASTM D638	MPa	14
Elasticity Modulus (Secant 1%)	ASTM D 638	MPa	1278
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1273
Izod Impact Strength ³	ASTM D 256/A	J/m	32
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	70
Vicat Softening Point (10 N)	ASTM D1525	°C	125
ESCR (100% Igepal) ²	ASTM D 1693	h	3

¹ Test specimens from compression molded plaque according to ASTM D4703.

² Condition B.

³ Test temperature at 23°C.

Final Remarks

- The information in this document is provided in good faith and reflects typical values obtained in our laboratories and should not be considered as absolute nor warranted. Only the properties and values mentioned on the certificate of quality are considered as product warranty.
- In some application, Braskem IDESA has developed resins well-tailored to meet specific requirements.
- In case of doubts regarding our product use for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com
- For information about safety, handling, individual protection equipment, first aid disposal, consult the safety data sheet (SDS) or please contact our Braskem IDESA safety team product.safety@braskem.com CAS Number:2513-02-9
- The values reported in this document may change without Braskem IDESA communication.
- Braskem IDESA does not recommended the use of this product for the manufacture of packages, parts or any other used storage or contact with parenteral solution nor with the inside of the human body.
- The content of this product data sheet replaces the one issued previously.