

High Density Polyethylene HDI0661U1**Description:**

HDI0661U1 is a high density polyethylene with a narrow molecular weight distribution, developed for injection molding segment. Parts made from this material exhibit a shiny surface and good impact strength and stiffness. This resin contains UV light stabilizing additives.

Applications:

Trays, containers, pallets, boxes, pails and buckets

Processes:

Injection molding.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	6.20
Density	D 792	g/cm ³	0.961

Typical Properties¹

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D638	MPa	30
Tensile Strength at Break	ASTM D638	MPa	27
Strain at Yield	ASTM D638	%	5
Strain at Break	ASTM D638	%	925
Elasticity Modulus (Secant 1%)	ASTM D638	MPa	1500
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1510
Izod Impact Strength ³	ASTM D256/A	J/m	55
ESCR (100% Igepal) ²	ASTM D 1693	h	5

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

² Condition B.

³ Test temperature at 23°C.

Final Remarks

1. 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.
2. In some application, Braskem IDESA has developed resins well-tailored to meet specific requirements.
3. In case of doubts regarding our product use for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com
4. 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
5. The values reported in this document may change without Braskem IDESA communication.
6. 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.
7. The content of this product data sheet replaces the one issued previously.