

# Rigidex® HD6070UA

## Product Technical Information

Rigidex® HD6070UA is a UV-stabilised high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

## Typical applications

- Crates
- Boxes
- Seats
- Pallets

## Benefits and Features

- Easy processing
- High rigidity
- Good impact strength
- High warpage resistance
- Good weathering resistance

Properties		Test Methods	Values	Units
<b>Physical</b>				
Density		ISO 1872	960	kg/m <sup>3</sup>
Melt Flow Rate	2.16 kg load	ISO 1133	7.6	g/10min
<b>Mechanical</b>				
Tensile Strength	@ Yield			
(23°C Type 2 Speed D)		ISO 527	31	MPa
Flexural Modulus	@ 23°C	ISO 178	1300	MPa
Charpy Impact Strength		ISO 179	4.0	kJ/m <sup>2</sup>
Hardness Shore (D)		ISO 868	68	-
<b>Thermal</b>				
Melting Point		ASTM D2117	132	°C
Vicat Softening Point (A)		ISO 306	127	°C
Thermal conductivity		ASTM C177	0.48	W/m <sup>2</sup>
Specific Heat			2300	J/kg °C
Coefficient of Linear Expansion		ASTM D696	2x10 <sup>-4</sup>	°C <sup>-1</sup>

The values given are typical values measured on the product. These values should not be considered as specification



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## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to [psnohreg@innovene.com](mailto:psnohreg@innovene.com). Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

## Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website [www.ineospolyolefins.com](http://www.ineospolyolefins.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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