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
Physical				
Density		ISO 1872	960	kg/m³
Melt Flow Rate	2.16 kg load	ISO 1133	7.6	g/10min
Mechanical				
Tensile Strength (23°C Type 2 Speed D)	@ Yield	ISO 527	31	MPa
Flexural Modulus	@ 23°C	ISO 178	1300	MPa
Charpy Impact Strength		ISO 179	4.0	kJ/m²
Hardness Shore (D)		ISO 868	68	-
Thermal				
Melting Point		ASTM D2117	132	°C
Vicat Softening Point (A)		ISO 306	127	°C
Thermal conductivity		ASTM C177	0.48	W/m²
Specific Heat			2300	J/kg °C
Coefficient of Linear Expansion		ASTM D696	$2x10^{-4}$	$°C^{-1}$

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

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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. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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