



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/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	7.6	g/10min
Mechanical				
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 ²
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/m ²
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