

# RIGIDEX<sup>®</sup> HD3855UA

## Product Technical Information

RIGIDEX<sup>®</sup> HD3855UA is a linear medium density polyethylene grade, supplied in pellet form for use in rotational moulding.

## Benefits & Features

- Good impact strength and stiffness
- Good environmental stress cracking resistance
- UV stabilised (not guaranteed to EN13341 standard)

## Applications

- General purpose rotationally moulded articles

Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Density		ISO1183-1 & ISO 1872-1	938	kg/m <sup>3</sup>
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	5.0	g/10min
<b>Mechanical</b>				
Tensile Strength at Yield	23°C Type 1BA	ISO 527-1,-2	19	MPa
Flexural Modulus	23°C	ISO 178	740	MPa
Tensile Modulus	23°C	ISO 527-1,-2	740	MPa
<b>Thermal</b>				
Melting Temperature DSC	10°C /min	ISO 11357-3	127	°C
Vicat Softening Temperature	10N	ISO306/A50	116	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2/B	64	°C
Thermal Conductivity		ASTM C 177	0.48	W/m°C
Specific Heat		-	2300	J/kg °C
<b>Data should not be used for specification work</b>				



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## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

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## Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website [www.ineos.com](http://www.ineos.com) where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

## 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 Safety Data Sheet (SDS) that may be obtained from the website [www.ineos.com](http://www.ineos.com). Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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