

## Technical Data Sheet

### *Microthene* GR71000



High Density Polyethylene

#### Product Description

GR71000 are use in a broad range of specialty applications. GR71000 powders combine the unique properties of a polyolefin resin with a small particle size.

<b>Forms</b>	Powder
<b>Appearance</b>	Natural Color
<b>Application</b>	Automotive Applications; Colour Concentrates; Industrial Applications; Structural Parts

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	0.952	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Break	11.7	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Tensile Elongation at Break	400	%	ASTM D638
<b>Impact</b>			
Ductile/Brittle Transition Temperature	<-76.1	°C	ASTM D746
<b>Hardness</b>			
Durometer Hardness, (Shore D)	66		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	125	°C	ASTM D1525
Peak Melting Temperature	134	°C	ASTM D3418
<b>Additional Information</b>			
Average Particle Size			
LYB Method			
Moisture Content	<0.1	%	
LYB Method			

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2018

## Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.