

## Data Sheet

## HDPE 339

Data Sheet Type	Final
Material Reference	HDPE 339
Polymer	PE
Date Issued	16/07/24



## Description

High Density Polyethylene is highly resistant to acids and alkyls. It has good low temperature properties, sliding properties and high impact strength.

Specifications	Values	Test Methods
Coefficient of Linear Thermal Expansion	13 - 15 10 <sup>-6</sup> m(m.k)	ISO 11359-2
Coefficient of Sliding Friction	0.32	ISO 8295
Crystalline Melting Point	130 °C	ISO 3156
Dielectric Strength	50 kv/mm	ISO 243
Elongation at Break	50 Min %	ISO 527-1
Flame Resistance	HB	UL94
Glass Transition	-95 °C	None
Highest Recommended Working Temperature	80 °C	None
Shore Hardness (Shore D)	62 ° Shore	ISO 2039-1
Specific Gravity	0.95 +/- 0.025 g/cm <sup>3</sup>	None
Thermal Conductivity	0.35 - 0.43 W/m.K	ISO 22007
Water Absorption	< 0.01 %	ISO 62:1999
Yield Strength	22 Min MPA	None

## Purposes



Acid Resistance



Chemical Resistant



Electrical Insulation



Flame Retardent

**Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information,

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figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice . All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.