

Technical Data Sheet

ICORENE® 1613 AAL

Linear Medium Density Polyethylene
Rotomolding



Product Description

ICORENE® 1613 AAL is a hexene linear medium density polyethylene anti algae & anti fungi grade, specifically developed for use in rotational moulding.

Anti algae properties are tested according to SAN BIO 33/99 testmethod. The anti fungi properties are tested according to EN ISO 846. This grade is suitable for use in general purpose applications, requiring anti algae or anti fungi properties, such as marine applications.

General

Additive	• UV Stabilizer		
Features	• Good Impact Resistance • Good Processability	• Good Stiffness • Good Toughness	• Hexene Comonomer • UV Resistant
Uses	• Marine Applications		
Appearance	• Natural Color	• Unspecified Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.938 g/cm ³	0.938 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5 g/10 min	4.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2760 psi	19.0 MPa	ISO 527-1
Flexural Modulus	109000 psi	750 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	4.50 in·lb/mil	200 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	62	62	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	261 °F	127 °C	ISO 11357-3

Notes

¹ based on ISO 6603

Notes

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