

Technical Data Sheet

Icorene 1314 GRN 6111

High Density Polyethylene

LYB LyondellBasell

Product Description

Icorene 1314 is a high performance hexene high density polyethylene specifically developed for use in rotational moulding. This grade has been designed for applications requiring good stiffness and toughness. This material can be used in many different rotomoulding applications and for food contact applications. *Icorene* 1314 Black 9001 is TÜV approved, protocolnr 175XS0122-00. *Icorene* 1314 Natural and Black are DiBt approved Z40-25-519 and WRAS approved: 1507503 & 1202543

Processing Method Rotomolding

Attribute Good Impact Resistance; Good Stiffness; Good Toughness; Hexene Comonomer;

High ESCR (Environmental Stress Cracking Resistance); UV Resistant

Forms Powder

Appearance Black; Natural Color; Unspecified Color

Additive UV Stabilizer

Application Fuel Tanks; Septic Tanks; Tanks; Tanks, Industrial

Nominal		
Value	Units	Test Method
3.0	g/10 min	ASTM D1238
0.939	g/cm³	ASTM D1505
20.0	MPa	ISO 527
>300	hr	ASTM D1693
>1000	hr	ASTM D1693
800	MPa	ISO 178
>1000	%	ISO 527
>210	J/cm	ARM
>200	J/cm	ASTM D4226
62		ASTM D2240
117	°C	ISO 306
67	°C	ISO 75-2/B
127	°C	ISO 11357-3
	3.0 0.939 20.0 >300 >1000 800 >1000 >210 >200 62 117 67	3.0 g/10 min 0.939 g/cm³ 20.0 MPa >300 hr >1000 hr 800 MPa >1000 % >210 J/cm >200 J/cm 62

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/.

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