# **Technical Data Sheet**

# *Icorene* 1314 BUE 5747

High Density Polyethylene

### **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
	Value   3.0   0.939   20.0   >300   >1000   800   >1000   800   >1000   62   117   67	Value Units   3.0 g/10 min   0.939 g/cm³   20.0 MPa   >300 hr   >1000 hr   >1000 hr   >20.0 MPa   >20.0 MPa    >1000   %     >200   J/cm >200   62    117 °C   67 °C





## 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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