

Technical Data Sheet

Icorene 1761 Black 9005

Metallocene Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 1761 BLACK 9005 is a metallocene linear low density polyethylene for rotational moulding applications.

This grade is specifically developed for dieseltanks. It has a good balance of properties such as toughness, easy flow and high impact.

General

Additive	• UV Stabilizer		
Features	• Good Toughness • High Flow	• High Gloss • High Impact Resistance	• UV Resistant
Uses	• General Purpose	• Tanks	
Appearance	• Black		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.935 g/cm³	0.935 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ISO 527-2
Yield	2610 psi	18.0 MPa	
Break	2760 psi	19.0 MPa	
Tensile Elongation (Break)	> 700 %	> 700 %	ISO 527-2
Flexural Modulus	102000 psi	700 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	4.27 in·lb/mil	190 J/cm	Internal Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	250 °F	121 °C	ISO 306
Melting Temperature	253 °F	123 °C	ISO 11357

Notes

¹ Based on ISO 6603

Notes

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