

Technical Data Sheet

Icorene 4140

Polyethylene Copolymer
LyondellBasell Industries
Rotomolding

General			
Additive	• UV Stabilizer		
Features	• Copolymer • Food Contact Acceptable • Good Impact Resistance	• Good Processability • High Rigidity • Octene Comonomer	• UV Resistant
Agency Ratings	• FDA 21 CFR 177.1520		
Appearance	• Natural Color		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.941 g/cm ³	0.941 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	2970 psi	20.5 MPa	ASTM D638
Tensile Elongation ¹ (Break)	950 %	950 %	ASTM D638
Flexural Modulus ²	110000 psi	760 MPa	ASTM D790
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Accelerated Aging	5.5 month	5.5 month	ASTM G26

Notes

¹ 2.0 in/min (50 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

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