

Technical Data Sheet

Icorene 4140

Polyethylene Copolymer
LyondellBasell Industries
Rotomolding

General			
Additive	<ul style="list-style-type: none"> • UV Stabilizer 		
Features	<ul style="list-style-type: none"> • Copolymer • Food Contact Acceptable • Good Impact Resistance 	<ul style="list-style-type: none"> • Good Processability • High Rigidity • Octene Comonomer 	<ul style="list-style-type: none"> • UV Resistant
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520 		
Appearance	<ul style="list-style-type: none"> • Natural Color 		
Forms	<ul style="list-style-type: none"> • Powder 		
Processing Method	<ul style="list-style-type: none"> • 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.