

Icorene 3560-5A133G RED 186C

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Icorene 3560 is a polyethylene developed for rotational molding applications. Intended applications are primarily large hollow objects, including toys, playground equipment, and a variety of other products.

General

Additive	• UV Stabilizer		
Features	• Low Temperature Impact Resistance	• UV Resistant	• UV Stabilized
Uses	• General Purpose		• Toys
Appearance	• Black	• Colors Available	
Forms	• Pellets	• Powder	
Processing Method	• Rotational Molding		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
10% Igepal, F50	50.0	hr	
100% Igepal, F50	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2650	psi	ASTM D638
Flexural Modulus	101000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°F, 0.125 in, Rotational Molded	52	ft-lb	
-40°F, 0.250 in, Rotational Molded	160	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	130	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	101	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, 2.0 in/min