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Icorene 3570-4A577STB STBL33 BWN

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Icorene 3570 is a linear low density polyethylene for rotational molding applications such as high end coolers, toys, playgrounds, tanks, etc. The grade is UV stabilized and suitable for applications requiring good stiffness and processability. Very good mold surface finish.

General			
Additive	• UV Stabilizer		
Features	• Good Toughness	• UV Resistant	• UV Stabilized
Uses	• General Purpose	• Outdoor Applications	• Sporting Goods
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Rotational Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			
10% Igepal, F50	50.0	hr	ASTM D1693
100% Igepal, F50	> 1000	hr	ASTM D1693A
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	2650	psi	ASTM D638
Flexural Modulus - 1% Secant [3]	101000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength			ARM
-40°F, 0.125 in, Rotational Molded	50	ft·lb	
-40°F, 0.250 in, Rotational Molded	190	ft·lb	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	135	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.0492 in, Rotational Molded	101	°F	

Notes

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

[2] 2.0 in/min

[3] 0.051 in/min