

# Microthene Petrothene GA625060

## LyondellBasell Industries - Linear Low Density Polyethylene

### General Information

#### Product Description

Petrothene GA625060 is a hexene LLDPE pelletized rotational molding resin with excellent flow properties selected by customers to produce a variety of objects such as toys, playground equipment, drums and agricultural and chemical storage containers. GA625060 exhibits high ESCR, low temperature impact strength and warp resistance. GA625060 has a UV20+ UV resistance and is available in a 35-mesh powder as Microthene MP625060.

#### General

Uses	<ul style="list-style-type: none"> <li>Containers</li> <li>Drums</li> </ul>	<ul style="list-style-type: none"> <li>Rigid Packaging</li> <li>Sporting Goods</li> </ul>	<ul style="list-style-type: none"> <li>Toys</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Rotational Molding</li> </ul>		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.935	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, F50	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2700	psi	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	105000	psi	
2% Secant	90600	psi	
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°F, 0.125 in	55	ft-lb	
-40°F, 0.250 in	155	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	131	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	102	°F	ASTM D648