



Microthene MP652060

LyondellBasell Industries - High Density Polyethylene

General Information

Product Description

Microthene MP652060 is a hexene HDPE powder selected by customers for rotationally molding large tank applications. MP652060 is a 35-mesh powder with UV20+ UV resistance and is also available in pellet form as Petrothene GA652060.

General

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| Uses | • Containers | • Industrial Tanks | • Rigid Packaging |
| Processing Method | • Rotational Molding | | |

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (23°F)	0.942	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693A
10% Igepal, F50	50.0	hr	
100% Igepal, F50	400	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3390	psi	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	146000	psi	
2% Secant	124000	psi	
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°F, 0.125 in	57	ft-lb	
-40°F, 0.250 in	160	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	149	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	109	°F	ASTM D648