

Petrothene

# GA652762

High Density Polyethylene

Rotational Molding Grade

Melt Index 2.0 Density 0.942



## Applications

*Petrothene* GA652762 is a hexene HDPE resin used mainly for rotationally molding large tank applications. GA652762 is UV 8-stabilized and is available in a 35 mesh powder as *Microthene* MP652762

## Regulatory Status

GA652762 meets the requirements of Food and Drug Administration regulation, 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

## Processing Techniques

Specific recommendations for processing GA652762 can be made only when the required properties, processing equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

## Typical Properties

Property	Value	Units	ASTM Test Method	Sample
Melt Index (190/2.16)	2.0	g/10 min	D 1238	Pellets
Density molded	0.942	g/cc	D 1505	Compression
Melting Point	129	°C	D 3418	Rotomolded**
ESCR, Condition A, F <sub>50</sub>				
100% Igepal®, CO-630	>1000	hrs	D 1693	Rotomolded**
10% Igepal®, CO-630	48	hrs	D 1693	Rotomolded**
Flexural Modulus, 1% Secant	125,000	psi	D 790	Rotomolded**
Tensile Strength @ Yield, 2"/min*	3,200	psi	D 638	Rotomolded**
Tensile Elongation @ Yield	10	%	D 638	Rotomolded**
Heat Distortion Temperature @ 66 psi	67	°C	D 648	Rotomolded**
@ 264 psi	42	°C		
Low Temperature Impact			ARM STD	
1/8" specimen	80	ft-lbs	-40°F impact	Rotomolded**
1/4" specimen	190	ft-lbs	-40°F impact	Rotomolded
Meets FDA Requirements	yes			
UV 8-stabilized	yes			

\* Type IV Specimen

\*\* Thickness of specimen is 1/8"

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