Formosa Industries

Formolene® HJ6308

High Density Polyethylene (HDPE) Resin for Injection Molding

Formolene® HJ6308 is an injection molding resin designed for toughness and stiffness especially at low temperatures.

Formolene® HJ6308 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:
Industrial Crates Totes & Bins

Additives:
Antioxidant - Yes

Nominal Values

PROPERTY*	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cc	0.963	g/cc	0.963
Melt Index, (190°C/2.16)	D1238	g/10 min.	8.2	g/10 min.	8.2
Molded Properties					
Tensile Strength					
Yield	D638	psi.	4400	MPa	30
Tensile Elongation					
Break	D638	%	440	%	440
Flexural Modulus	D790B				
1% Secant		psi.	270000	MPa	1900
2% Secant		psi.	230000	MPa	1600
Environmental Stress Crack Resistance	D1693B				
10% Igepal, F50		hr	3	hr	3
Notched Izod Impact (-40°F)	D256A	Ft-lb/in.	0.89	J/m	47

Note: All properties were derived from compression molded specimens. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.

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