



Formolene® HJ5204

High Density Polyethylene (HDPE) Resin for Injection Molding

Formolene® HJ5204 is a hexene based injection molding resin designed for toughness and stiffness.

Formolene® HJ5204 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 Pails Industrial Caps & Closures

Additives:

Antioxidant – Yes

Nominal Values

PROPERTY*	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.952	g/cc	0.952
Melt Index, (190°C/2.16)	D1238	g/10 min.	4.4	g/10 min.	4.4
Molded Properties					
Tensile Strength					
Yield	D638	psi.	3800	MPa	26
Tensile Elongation					
Break	D638	%	1200	%	1200
Flexural Modulus	D790B				
1% Secant		psi.	190000	MPa	1300
2% Secant		psi.	170000	MPa	1100
Environmental Stress Crack Resistance	D1693B				
10% Igepal, F50		hr	6	hr	6
Notched Izod Impact (-40°F)	D256A	Ft-lb/in.	1.1	J/m	59

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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