

# AMERICOLENE® APC850-IM



## High Density Polyethylene Injection Molding (HDPE-IM)

Americolene® APC850-IM is a generic, prime, high density polyethylene copolymer having a narrow molecular weight distribution intended for general purpose injection molding applications where a good balance of processability and end-use properties are required. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

### Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
<i>Typical Resin Properties for APC850-IM:</i>			
<b>Melt Index</b>	D1238	g/10 min.	<b>8.0</b>
<b>Density</b>	D4883	g/cc	<b>0.953</b>
Tensile Strength (2 in/min)	D638		
@ Yield		28 MPa	4,000 psi
@ Break		17.9 MPa	2,600 psi
Flexural Modulus	D790A		
Tangent Method		1,186 MPa	172,000 psi
Notched Izod Impact Strength	D256		
@ 23 C		0.7 ft-lbf/in	3.7 kJ/m2
Hardness	D2240		
Shore D		62	62
Vicat Softening Point	D1525	125 C	257 F
Brittleness Temperature	D746	<-70 C	<-94 F

\* MD / TD

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