



## Polyintec® AH35Z-90

### Polypropylene Homopolymer (PP Homo)

#### Product Description:

Polyintec® AH35Z-90 is a generic, prime, high flow rate, nucleated, and antistated homopolymer designed for injection molding applications. It offers excellent flow properties, fast cycle times, good molding performance (especially in thin-walled parts), low static charge, and improved toughness. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

#### Suggested Applications:

Consumer Products, Housewares, Medical Components, Thin-walled Rigid Packaging

#### Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
<b>Resin Properties:</b>			
Melt Index (190 °C / 2.16 KG)	D1238	g/10 min	35.0
Density	D792	g/cc	0.900
<b>Injection Molded Samples:</b>			
Tensile Strength @ Yield (2 in/min)	D638	MPa	40
		psi	5,800
Elongation @ Yield (2 in/min)	D638	%	7
Flexural Modulus (1% Secant)	D790A	MPa	1,737
		psi	252,000
Notched Izod Impact Strength @ 23°C	D256	kJ/m <sup>2</sup>	2.86
		ft-lbf/in	0.55
Hardness (Rockwell R)	D785		108
Heat Deflection Temperature @ 66 psi	D648	°C	118
		°F	244
Gloss at 60° angle	D2457		91

#### Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. The information is based on the data provided for Americolene® AH35Z-09, assuming it is representative of the Polyintec® AH35Z-90 product. Users should conduct their own testing to verify suitability.