

# AMERICOLENE® HO3B

**AMERICOLENE**

## Polypropylene Homopolymer

AMERICOLENE® HO3B is a polypropylene homopolymer designed for BOPP applications. Applications include food packaging films, overwrap, and metallized films. Benefits include consistent high speed processing and good optical properties. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

### Typical Properties<sup>1</sup>

	Values English Units	Values SI Units	ASTM Method
<b>Resin</b>			
<b>Density</b>	-	0.9051 g/cc	D792
<b>Melt Flow Rate 230°C/2.16 kg</b>	-	3.0 g/10 min	D1238
<b>Injection Molded Samples</b>			
<b>Tensile Strength (2 in/min)</b>			D638
@ Yield	4,903 psi	33.6 MPa	
@ Break	2,847 psi	19.5 MPa	
<b>Elongation (2 in/min)</b>			D638
@ Yield	11.9 %	11.9 %	
@ Break	145 %	145 %	
<b>Flexural Modulus</b>			D790A
1% Secant	205,500 psi	1,418 MPa	
<b>Notched Izod Impact Strength</b>			D256
@ 23 C	0.8 ft-lbf/in	4.1 kJ/m <sup>2</sup>	
<b>Hardness</b>			D785
Rockwell R	97	97	
<b>Heat Deflection Temperature</b>			D648
@ 66 psi (455 kPa)	199 F	93 C	
<b>Haze @ 23°C, 50-mil (1.3mm) plaque</b>			D1003
% Diffuse Transmittance	71.7 %	71.7 %	
<b>Gloss at 60 ° angle</b>	93.7	93.7	D2457

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