

AMERICOLENE® AH35Z-09



Polypropylene Homopolymer (PP Homo)

Americolene® AH35Z-09 is a generic, prime is a high flow rate, nucleated and antistated homopolymer designed for injection molding applications. Typical applications include:

Consumer Products Housewares
 Medical Components Thin-walled Rigid Packaging.

Benefits include high flow rate, fast cycle times, good molding performance in thin-wall 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.

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Typical Resin Properties for AH35Z-09:			
Melt Index 190 °C / 2.16 KG	D1238	g/10 min.	35.0
Density	D792	g/cc	0.900
Injection Molded Samples			
Tensile Strength (2 in/min)	D638		
@ Yield		40 MPa	5,800 psi
Elongation (2 in/min)	D638		
@ Yield		7 %	7 %
Flexural Modulus	D790A		
1% Secant		1,737 MPa	252,000 psi
Notched Izod Impact Strength	D256		
@ 23 C		2.86 kJ/m2	0.55 ft-lbf/in
Hardness	D785		
Rockwell R		108	108
Heat Deflection Temperature	D648		
@ 66 psi (455 kPa)		118 C	244 F
Gloss at 60 ° angle	D2457	91	91

* MD / TD

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