

# AMERICOLENE® PPH41-IM



## Homopolymer for General Purpose Injection Molding

### Technical Data Sheet

AMERICOLENE® PPH41-IM is a medium viscosity, highly isotactic, polypropylene homopolymer designed for various general purpose injection molding applications such as closures, small appliances, housewares and toys. It contains a unique combination of stabilizers, which provides excellent processability with good stiffness, environmental stress crack resistance, heat performance and minimal odor & taste.

AMERICOLENE® PPH41-IM meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

NOMINAL RESIN PROPERTIES	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	METHOD
Melt Flow Rate, I2 @ 230°C	12.0	g/10 min	D1238
Density	0.9	g/cm <sup>3</sup>	D1505
Tensile Strength at Yield (50 mm/min)	4,800	psi	D638
Elongation at Yield (50 mm/min)	8	%	D638
Flexural Modulus (1.3 mm/min), 1% Secant	180,000	psi	D790
Rockwell Hardness	105	R Scale	D785
Notched Izod Impact Strength 73°F	0.6	ft-lb/in	D256
Heat Deflection Temperature @ 66 psi	100	°C	D648

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.  
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