

AMERICOLENE® PPH4209

AMERICOLENE

Homopolymer Polypropylene (PPHR)

Technical Data Sheet

AMERICOLENE® PPH4209 is a homopolymer polypropylene designed for extrusion processing in applications that require low water-carry-over. Typical applications include Carpet Backing, Woven Bags, and Twine. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(c)1.1a

NOMINAL RESIN PROPERTIES	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	METHOD
Density		0.906 g/cc	D792
Melt Flow Rate 230°C/2.16 kg		4.2 g/10 min	D1238
Injection Molded Samples Tensile Strength (2 in/min) @ Yield @ Break	5,280 psi 2,640 psi	36.2 MPa 18.1 MPa	D638
Elongation (2 in/min) @ Yield @ Break	9.5% 150%	9.5% 150%	D638
Flexural Modulus 1% Secant	240,000 psi	1,650 MPa	D790A
Notched Izod Impact Strength @ 23 C	0.7 ft-lbf/in	2.6 kJ/m ²	D256
Hardness Rockwell R	103	103	D785

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Any inquiries regarding this data sheet should be addressed to: 11824 Jollyville Rd Austin, TX 78759 · Phone (800) 729 5417 · Fax: (512) 992 0225

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