

# Generic PP Alloy

Polypropylene Alloy

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP Alloy  
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890 to 1.06	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	176 to 2260	MPa	ASTM D790
Coefficient of Friction	0.25 to 0.40		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	1500 to 5200	µm	
Secant Modulus			ASTM D882
MD	2490 to 3000	MPa	
TD	2090 to 3600	MPa	
Tensile Strength			ASTM D882
MD : Yield	170 to 239	MPa	
TD : Yield	189 to 210	MPa	
Tensile Elongation			ASTM D882
MD : Break	89 to 120	%	
TD : Break	80 to 130	%	
Seal Strength	0.16	N/mm	ASTM F88
Seal Initiation Temperature	106 to 131	°C	
Oxygen Permeability (23°C)	0.15 to 41	cm <sup>3</sup> · mm/m <sup>2</sup> /atm/24 hr	ASTM D3985
Water Vapor Transmission Rate	0.78 to 10	g/m <sup>2</sup> /24 hr	ASTM F1249
Blocking Load	6.0	g	ASTM D3354
Optical	Nominal Value	Unit	Test Method
Gloss	95 to 140		ASTM D2457
Haze	1.3 to 2.6	%	ASTM D1003

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