


TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 4624WZ

Technical Data Sheet
Polypropylene – Impact Copolymer
Produced in the United States

Description

Polypropylene 4624WZ is a nucleated impact copolymer with a Melt Flow of 15 g/10min., combining good fluidity and mechanical properties.

4624WZ is characterized by significantly improved impact resistance and mold release while maintaining excellent antistatic properties, good processability.

4624WZ has been developed specifically for the injection molding pails and crates requiring extra toughness.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	15
Mechanical Properties			
Tensile, Strength at Yield	D-638	psi (MPa)	3,800 (27)
Elongation at Yield	D-638	%	7
Flexural Modulus	D-790	psi (MPa)	160,000 (1,100)
Izod Impact (Notched) @ 23°C	D-256	ft.-lbs/in. (J/m)	No Break
Thermal Properties⁽¹⁾			
Melting Range	TOTAL Method	°F (°C)	320-329 (160-165)
Heat Deflection	D-648	°F (°C)	194 (90)
Vicat Softening Point	D-1525	°F (°C)	298 (148)
Other Physical Properties			
Density	D-1505	g/cm ³	0.905

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

Rev: Sept 2021

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