Polypropylene 3865

Technical Data Sheet
Homopolymer - Controlled rheology grade for spunbond nonwoven fabrics, multifilament yarns, and extrusion coating

Produced in the United States

Description

Polypropylene 3865 features excellent processability and gas fade resistance.

FDA and Regulatory: 3865 complies with all applicable FDA regulations for food contact applications. 3865 is not intentionally manufactured to contain materials derived from genetically modified organisms (GMO), and is not intentionally formulated to contain or intentionally manufactured with phthalates.

Applications: 3865 is recommended for spunbond nonwoven fabric high speed melt spinning applications, multifilament yarns, and extrusion coating.

Processing: 3865 resin processes on conventional extrusion equipment with typical melt temperatures of 400°F-480°F (204°C-250°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	35
Fiber Properties, 2.5dpf Multifilament(1) (3)			
Tenacity	D-3218	g/denier	2.1
Elongation	D-3218	%	150
Thermal Properties(1)(2)			
Melting Point	DSC	°F (°C)	330 (165)
Other Physical Properties			
Density	D-1505	g/cc	0.905

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.
(3) Samples processed at 450 degrees F (232ºC) extrusion temperature, 4,000 m/min winding speed with 1:1 draw ratio.

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