

ICELENE PP1890 Homopolymer Polypropylene

Applications:

Injection, staple Fiber or BCF Yarns

PRODUCT DESCRIPTION

ICELENE PP1890 is a certified prime resin featuring excellent processability and good physical properties. It is formulated to resist gas fading while maintaining excellent processing stability. ICELENE PP1890 resin complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 3.2a.

Fading Resistance. Icelene Polypropylene 1890 is formulated to resist gas fading while maintaining excellent processing stability up to 250o C.

Process Stability. Icelene Polypropylene 1890 features excellent processability and the good physical properties necessary for fibers and multifilament.

FDA. Icelene Polypropylene 1890 complies with all applicable FDA regulations for food contact.

Processing. Icelene Polypropylene 1890 resin processes on conventional extrusion equipment with typical melt temperatures of 400-480o F (204-250o C).

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index ²	ASTM D1238	18.0	g/10 min.	18.0	g/10 min
Density (23°C)	ASTM D1505	0.905	g/cm ³	0.905	g/cm ³
Mechanical Properties¹					
Tensile Modulus	ASTM D638	1650	Mpa	240,000	psi
Flexural Modulus	ASTM D790	1515	Mpa	220,000	psi
Flexural Stiffness	ASTM D790	1215	Mpa	175,000	psi
Softening Point		150-155	°C	302-311	°F

* Typical Value of Properties which can vary with in specification limits and are not to be construed as specifications.

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

² Condition L

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