

Formosa Plastics Formolene® 5140N Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Homopolymer for Injection Molded Applications Formolene 5140N is a highly isotactic, polypropylene homopolymer with fast cycle time and improved mold release. It has use in injection molded applications including closures and thin wall container programs. It contains a unique combination of stabilizers and additives, including elevated levels of antistat which provides excellent processability and good end use performance. Formolene 5140N meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact. Specimens were injection molded according to the conditions specified in ASTM D4101 Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-5140N-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min @Temperature 230 °C	12 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.2 MPa	5100 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.320 J/cm @Temperature 23.0 °C	0.600 ft-lb/in @Temperature 73.4 °F	ASTM D256

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