Formolene® 3302B

Tuesday, November 5, 2019

Formosa Plastics Corporation, U.S.A. - Polypropylene Random Copolymer

General Information

Product Description

Formolene® 3302B is a low melt flow, random copolymer polypropylene with good clarity, fast cycle time and easy mold release, designed for extrusion processing and thermoforming.

The use of an advanced nucleator provides the desirable aesthetic values of neutral color and low haze. It also provides fast crystalinity speed and uniform, isotropic shrinkage which enables fast forming.

Formolene® 3302B meets the 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.

This material is free of animal-derived content.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Nucleating Agent		
Features	• Fast Molding Cycle • Food Contact Acceptable • Good Mold Release	• Good Processability • High Clarity • Low Flow	• No Animal Derived Components • Nucleated • Random Copolymer
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Thermoforming	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, Injection Molded)	4350	psi	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	13	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	160000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, Injection Molded)	3.0	ft·lb/in	ASTM D256A
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze (Injection Molded)	24.0	%	Internal Method

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 in/min

[3] 0.051 in/min