VERSIFY™ 3200

The Dow Chemical Company - Plastomer

Monday, November 4, 2019

General Information

Product Description

VERSIFY™ 3200 Plastomer is a resin with a medium melt flow rate, therefore making it a general purpose film resin. It is suitable for cast film, blown film, and BOPP and is an excellent sealant. It has excellent compatibility with PP, excellent adhesion to PE and is an useful agent to bring low seal initiation temperature, softness and temperature performance.

Main Characteristics

- Pellet
- Medium Melt Flow Rate
- Good sealant
- Compatible with PP
- Soft polypropylene

Applications

- Blown Film
- Cast Film
- BOPP
- Sealant

Complies with:

- EU, No 10/2011
- U.S. FDA FCN 909
- U.S. FDA 21 CFR 175.105(c)(5)
- Consult the regulations for complete details.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 175.105(c) (5)	• FDA FCN 909
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.878		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Total Crystallinity	30	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, Compression Molded)	3210	psi	ASTM D638
Tensile Elongation [2] (Break, Compression Molded)	840	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	19000	psi	ASTM D790
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [3]			ASTM D2240
Shore A, Compression Molded	94		
Shore D, Compression Molded	44		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-9.40	°F	Internal Method

VERSIFY™ 3200
The Dow Chemical Company - Plastomer

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	138	°F	ASTM D1525
Melting Temperature (DSC)	185	°F	Internal Method

Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D523
20°, 39.4 mil, Compression Molded	125		
60°, 39.4 mil, Compression Molded	134		
Haze (78.7 mil, Injection Molded)	3.90	%	ASTM D1003

Notes

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

[2] 2.0 in/min

[3] Hardness after 10 seconds.