

VERSIFY™ 3300

Elastomer

The Dow Chemical Company

Message:

VERSIFY™ 3300 Elastomer can be used for stretch cling, elastic film and as a blend component in thermoplastic elastomers and thermoplastic olefins. It is a particularly good choice for cast stretch film sealants. When used as cling additive the grade generates higher unstretched film cling levels and can be used in blends at lower addition levels than needed with VLDPE. It gives consistent performance in hot and cold conditions, retains its characteristics over extended periods and delivers lower noise levels.

Complies with:

U.S. FDA FCN 909

U.S. FDA 21 CFR 175.105(c)(5)

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 175.105(c) (5)		
	FDA FCN 909		
Forms	Pellets		
Processing Method	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.867	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Total Crystallinity	11	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ¹			ASTM D2240
Shore A, Compression Molded	85		
Shore D, Compression Molded	31		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	19.6	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	750	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	38.9	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-27.0	°C	Internal Method
Vicat Softening Temperature	42.0	°C	ASTM D1525
Melting Temperature (DSC)	62.0	°C	Internal Method
Optical	Nominal Value	Unit	Test Method

Gardner Gloss		ASTM D523
20°, 1000 µm, Compression Molded	107	
60°, 1000 µm, Compression Molded	126	
Haze (2000 µm, Injection Molded)	4.0	% ASTM D1003
NOTE		
1.	Hardness after 10 seconds.	
2.	50 mm/min	

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