

VERSIFY™ 3401

Elastomer

The Dow Chemical Company

Message:

VERSIFY™ 3401 Elastomer is a resin with a medium melt flow rate suitable for a wide variety of applications and fabrication processes, including cast film, extrusion and injection molding. It is an excellent resin for stretch films and soft films, and is an excellent choice for PP modification, giving consistent performance in hot and cold conditions.

Main Characteristics

- White pellet
- Free flowing
- Medium flow
- Excellent elasticity
- Excellent compatibility with PP

Applications

- Stretch film
- Overmolding
- Soft film
- PP modification

Complies with:

- EU, No 10/2011
- U.S. FDA
- U.S. FDA FCN 909

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA FCN 909		
	FDA Unspecified Rating		
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.863	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Total Crystallinity	14	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ¹			ASTM D2240
Shore A, Compression Molded	72		
Shore D, Compression Molded	22		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	6.80	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	22.7	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-29.8	°C	Internal Method
Vicat Softening Temperature	< 20.0	°C	ASTM D1525
Melting Temperature (DSC)	55.0	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
20°, 1000 μm, Compression Molded	63		
60°, 1000 μm, Compression Molded	112		
Haze (2000 μm, Injection Molded)	3.2	%	ASTM D1003
NOTE			
1.	Hardness after 10 seconds.		
2.	50 mm/min		

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