

VERSIFY™ 3200 Plastomer



Overview

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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.876 g/cm ³	0.876 g/cm ³	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Total Crystallinity	30 %	30 %	Dow Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break, Compression Molded)	3210 psi	22.1 MPa	ASTM D638
Tensile Elongation ¹			ASTM D638
Break, Compression Molded	840 %	840 %	
Flexural Modulus - 1% Secant (Compression Molded)	19000 psi	131 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness ²			ASTM D2240
Shore A, Compression Molded	94	94	
Shore D, Compression Molded	44	44	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	-9.40 °F	-23.0 °C	Dow Method
Vicat Softening Temperature	138 °F	59.0 °C	ASTM D1525
Melting Temperature (DSC)	185 °F	85.0 °C	Dow Method
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Gloss			ASTM D523
20°, 39.4 mil (1000 µm), Compression Molded	125	125	
60°, 39.4 mil (1000 µm), Compression Molded	134	134	
Haze (78.7 mil (2000 µm), Injection Molded)	3.90 %	3.90 %	ASTM D1003

