

Technical Information

VERSIFY™ 2400 Elastomer

Overview

VERSIFY™ 2400 Elastomer is a resin with a low melt flow rate making it suitable for extrusion and calendering processes. It has excellent compatibility with PP and is useful agent to bring softness and temperature performance.

Main Characteristics

- Pellet
- Low Melt Flow Rate
- Free Flowing
- Compatible with PP
- Soft polypropylene
- Low Crystallinity

Applications

- Membranes
- Highly filled compounds
- Extrusion Applications

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	0.863 g/cm ³	0.863 g/cm ³	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Total Crystallinity	12 %	12 %	Dow Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break, Compression Molded)	870 psi	6.00 MPa	ASTM D638
Tensile Elongation ¹			ASTM D638
Break, Compression Molded	11 %	11 %	
Flexural Modulus - 1% Secant (Compression Molded)	3770 psi	26.0 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness ²			ASTM D2240
Shore A, Compression Molded	79	79	
Shore D, Compression Molded	26	26	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	-22.0 °F	-30.0 °C	Dow Method
Vicat Softening Temperature	108 °F	42.0 °C	ASTM D1525
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Haze (78.7 mil (2000 µm), Injection Molded)	5.00 %	5.00 %	ASTM D1003

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ 2.0 in/min (50 mm/min)

² Hardness after 10 seconds.



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