

ENGAGE[™] HM 7487 Polyolefin Elastomer

Overview

ENGAGE[™] HM 7487 Polyolefin Elastomer is an ethylene-butene copolymer with higher molecular weight, better toughness, and higher melt strength than other commercially available polyolefin elastomers. It can serve as an extender for SEBS, impart lower gloss in hard TPOs, provide the basis for flexible soft-touch compounds, and is well suited for extruded applications such as wire and cable. ENGAGE HM 7487 is also useful for impact modification of various thermoplastic resins.

- Main Characteristics:
 - Pellet form
 - · High melt strength
 - Improved toughness
 - Talc dusted (untreated, 1 µm)

Applications:

- Polymer modification
- Extender for SEBS
- Soft-touch compounds
- Reduced gloss TPOs
- Wire and cable
- · Impact modification

Complies with:

• U.S. FDA FCN 368 Consult the regulation for complete details.

Nominal Value (English)	Nominal Value (SI)	Test Method
0.860 g/cm ³	0.860 g/cm ³	ASTM D792
< 0.50 g/10 min	< 0.50 g/10 min	ASTM D1238
47 MU	47 MU	ASTM D1646
Nominal Value (English)	Nominal Value (SI)	Test Method
		ASTM D638 ¹
348 psi	2.40 MPa	
218 psi	1.50 MPa	
		ASTM D638 ¹
> 600 %	> 600 %	
		ASTM D790
276 psi	1.90 MPa	
174 psi	1.20 MPa	
Nominal Value (English)	Nominal Value (SI)	Test Method
160 lbf/in	28.0 kN/m	ASTM D624 ²
Nominal Value (English)	Nominal Value (SI)	Test Method
		ASTM D2240
58	58	
14	14	
Nominal Value (English)	Nominal Value (SI)	Test Method
-70.6 °F	-57.0 °C	Dow Method
98.6 °F	37.0 °C	Dow Method ³
62.6 °F	17.0 °C	Dow Method
	0.860 g/cm³ < 0.50 g/10 min 47 MU Nominal Value (English) 348 psi 218 psi 218 psi > 600 % 276 psi 174 psi Nominal Value (English) 160 lbf/in Nominal Value (English) 58 14 Nominal Value (English) -70.6 °F 98.6 °F	0.860 g/cm³ 0.860 g/cm³ < 0.50 g/10 min

Notes

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

¹ 20 in/min (510 mm/min)

² Die C

³ 10°C/min

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Additional Information	North America U.S. & Canada: Mexico:	1-800-441-4369 1-989-832-1426 +1-800-441-4369	Europe/Middle East	+800-3694-6367 +32-3-450-2240 +800-783-825	
	Latin America Argentina: Brazil: Colombia:	+54-11-4319-0100 +55-11-5188-9000 +57-1-219-6000	South Africa Asia Pacific	+800-99-5078 +800-7776-7776	
www.dowplastics.com	Mexico: This document is intended for Published: 2007-06-07 © 2009 The Dow Chemical Co		c, Europe, Latin America, North	+603-7965-5392 America	

