

ENGAGE™ 7467

Polyolefin Elastomer

The Dow Chemical Company

Message:

ENGAGE™7467 Ethylene Butene Copolymer is a high-performance copolymer with excellent impact resistance and is used in TPO processing requiring stricter requirements.

Main features:

pellets

Excellent impact resistance

Very low density

Added talcum powder (untreated, 1 µm)

Application field:

polymer modification

Comply with the following regulations:

U.S. Food and Drug Administration Regulation FCN 368

EU, No 10/

please check the regulations for details.

General Information			
Agency Ratings	EEC 2002/72/EC		
	FDA FCN 368		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.862	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 121°C)	19	MU	ASTM D1646
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 second, molded	52		ASTM D2240
Shore D, 1 second, molded	12		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹ (Compression Molded)	1.40	MPa	ASTM D638
Tensile Strength ² (Break, Compression Molded)	2.00	MPa	ASTM D638
Tensile Elongation ³ (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: Molding	4.10	MPa	ASTM D790
2% secant: Molding	4.00	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁴	21.6	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method

Glass Transition Temperature	-58.0	°C	Internal method
Melting Temperature (DSC) ⁵	34.0	°C	Internal method
Peak Crystallization Temperature (DSC)	13.0	°C	Internal method

Additional Information

对无滑石粉产品测量的属性.

NOTE

1.	510 mm/min
2.	510 mm/min
3.	510 mm/min
4.	C mould
5.	10°C/min

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