

ENGAGE™ 7277

Polyolefin Elastomer
The Dow Chemical Company

Message:

ENGAGE™7277 is a kind of general purpose copolymer, which has good balance in cost/performance and is applied to polymer modification.

Main features:

pellets

Added talcum powder (untreated, 1 μm)

Application field:

polymer modification

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 121°C)	24	MU	ASTM D1646
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 second, molded	80		ASTM D2240
Shore D, 1 second, molded	26		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹ (Compression Molded)	3.70	MPa	ASTM D638
Tensile Strength ² (Break, Compression Molded)	13.9	MPa	ASTM D638
Tensile Elongation ³ (Break, Compression Molded)	720	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: Molding	22.5	MPa	ASTM D790
2% secant: Molding	21.7	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁴	53.2	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-44.0	°C	Internal method
Vicat Softening Temperature	50.0	°C	ASTM D1525
Melting Temperature (DSC) ⁵	64.0	°C	Internal method
Peak Crystallization Temperature (DSC)	50.0	°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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