

**Dow ATTANE™ 4601 Ultra Low Density Polyethylene, Medical Packaging Grade**

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Very Low Density Polyethylene (VLDPE)

**Material Notes:**

ATTANE® 4601 copolymer is an ultra low density polyethylene blown film extrusion grade having high impact resistance and tear strength combined with improved softness, designed for use in medical packaging applications. It complies with FDA regulation 21 CFR 177.1520 (c) 3.2a for food contact. USP Class VI test data for biocompatibility is available. Film properties below based on a film thickness of 25 µm. Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-ATTANE-4601-Ultra-Low-Density-Polyethylene-Medical-Packaging-Grade.php](http://www.lookpolymers.com/polymer_Dow-ATTANE-4601-Ultra-Low-Density-Polyethylene-Medical-Packaging-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/in <sup>3</sup>	
Thickness	25.0 microns	0.984 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg	1.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.2.

Mechanical Properties	Metric	English	Comments
Elmendorf Tear Strength MD	385 g	385 g	
Elmendorf Tear Strength TD	499 g	499 g	
Elmendorf Tear Strength, MD	15.4 g/micron	391 g/mil	
Elmendorf Tear Strength, TD	20.0 g/micron	508 g/mil	
Dart Drop	>= 33.2 g/micron	>= 843 g/mil	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	96.0 °C	205 °F	Seal initiation temperature
	225 °C	437 °F	Film extrusion temperature

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