

Dow ATTANE™ 4401 Ultra Low Density Polyethylene, Blown Film Grade

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

Material Notes:

ATTANE® 4401 copolymer is an ultra low density polyethylene having high tear strength and impact resistance. It is designed for use in industrial/consumer film applications, either as high performance monolayer blown film or as part of a multilayer film as well as for use in molded durable applications requiring high strength, flexibility, and environmental stress crack resistance. ATTANE 4401 is an excellent resin for blending. It complies with FDA regulation 21 CFR 177.1520 (c) 3.2a for food contact. Film properties below based on a film thickness of 38 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-ATTANE-4401-Ultra-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/in³	
Thickness	38.0 microns	1.50 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 8.7.

Mechanical Properties	Metric	English	Comments
Elmendorf Tear Strength MD	650 g	650 g	
Elmendorf Tear Strength TD	826 g	826 g	
Elmendorf Tear Strength, MD	17.1 g/micron	434 g/mil	
Elmendorf Tear Strength, TD	21.7 g/micron	551 g/mil	
Dart Drop	>= 21.8 g/micron	>= 554 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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