

Dow ATTANE™ 4403 Ultra Low Density Polyethylene, Blown Film Grade

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

Material Notes:

ATTANE® 4403 copolymer is an ultra low density polyethylene having high impact, tear strength and exceptional flexibility. It is designed for use in industrial/consumer blown film applications and for use in molded durable applications requiring high strength and flexibility. It is also an excellent resin for blending. It complies with FDA regulation 21 CFR 177.1520 (c) 3.1b for direct 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-4403-Ultra-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.80 g/10 min @Load 2.16 kg	0.80 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.9.

Mechanical Properties	Metric	English	Comments
Elmendorf Tear Strength MD	502 g	502 g	
Elmendorf Tear Strength TD	925 g	925 g	
Elmendorf Tear Strength, MD	13.2 g/micron	335 g/mil	
Elmendorf Tear Strength, TD	24.3 g/micron	617 g/mil	
Dart Drop	>= 21.8 g/micron	>= 554 g/mil	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	79.0 °C	174 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	86.0 °C	187 °F	Seal initiation temperature
	228 °C	442 °F	Film extrusion temperature

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