İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul





Overview

DOW LDPE™ 150E Low Density Polyethylene Resin can be readily extruded using conventional blown film techniques utilising melt temperatures between 170 and 230°C. DOW LDPE 150E Low Density Polyethylene Resin, when properly fabricated, shows a good combination of processability, stiffness and physical properties.

Note: DOW LDPE 150E Low Density Polyethylene Resin should comply with:

- Europe EU-Directive 2002/72/EC (See NOTES)
- U.S. FDA 21 CFR 177.1520(c)2.2
- U.S. FDA-DMF
- Consult the regulations for complete details

Applications:

· Heavy duty industrial film

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.921	g/cm³	0.9 <mark>21</mark>	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	0.25	g/10 min	0.25	g/10 min	ISO 1133
Films	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Film Thickness - Tested	3.9	mil	100	μm	
Tensile Modulus			<i></i>		ISO 527-3
2% Secant, MD: 3.9 mil (100	µm) 18600	psi	128	MPa	
2% Secant, TD: 3.9 mil (100 μ	ım) 186 <mark>00</mark>	psi	128	MPa	
Tensile Stress					ISO 527-3
MD: Yield, 3.9 mil (100 μm)	13 <mark>30</mark>	psi	9.20	MPa	
TD: Yield, 3.9 mil (100 µm)	1100	psi	7.60	MPa	
MD: Break, 3.9 mil (100 μm)	3050	psi	21.0	MPa	
TD: Break, 3.9 mil (100 µm)	2970	psi	20.5	MPa	
Tensile Elongation		-			ASTM D882
MD: Break, 3.9 mil (100 μm)	470	%	470	%	
TD: Break, 3.9 mil (100 µm)	530	%	530	%	
Dart Drop Impact (3.9 mil (100 µ	im)) 430	g	430	g 🥒	ISO 7765-1/A
Elmendorf Tear Strength					ASTM D1922
MD: 3.9 mil (100 μm)	270	g	270	g	
TD: 3.9 mil (100 µm)	480	g	480	g	
Thermal	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Vicat Softening Temperature	205	°F	96.0	°C	ASTM D1525

Extrusion Notes

Blow-up ratio 1:2.5

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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