

Description

L425: Blown film polyethylene grade. Provides excellent bubble stability, exceptional tear strength, high impact and puncture resistance, outstanding clarity and gloss, good stiffness, excellent compatibility with LDPE and LLDPE.

Applications: L425 is recommended for shrink films, heavy duty sacks, food packaging, laminations and multilayer packaging film.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.4
190°C/21.6 kg (HLMI)			12
Mechanical Properties⁽¹⁾⁽²⁾			
Dart Impact	D-1709, A	g	300
Elmendorf Tear	D-1922	g (MD/TD)	350 / 800
Tensile Strength @ Break	D-882, A	psi (MD/TD)	6500 / 6000
Elongation at Break	D-882, A	% (MD/TD)	700 / 800
1% Secant Modulus	D-882, A	kpsi (MD/TD)	33 / 34
Haze	D-1003	%	8
Gloss, 45°	D-523	%	60
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	248
Other Physical Properties⁽¹⁾			
Density	D-792	g/cc	0.925

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) Film was produced at 1.0 mil with a 2.5 BUR.

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS & REFINING USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

