

# INEOS LDPE 22G564

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

22G564 is an autoclave, low density polyethylene grade developed to give strong film for medium duty applications.

Applications

22G564 is intended for applications such as

Carrier-bag films

Pouches refuse sacks

General packaging film

General Information			
Additive	Erucamide Lubricating Additive (450 ppm)		
	Anti-caking agent (850 ppm) 2		
	Antioxidation		
Features	smoothness		
	Anti-caking property		
	Antioxidation		
	High pressure heating resistance		
Uses	Films		
	Bags		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Film Puncture Energy (40 µm)	2.00	J	
Film Puncture Force (40 µm)	53.0	N	
Tensile Stress			ISO 527-3
MD: Yield, 40 µm	26.0	MPa	ISO 527-3
TD: Yield, 40 µm	23.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 40 µm	300	%	ISO 527-3
TD: Break, 40 µm	500	%	ISO 527-3
Dart Drop Impact (40 µm)	140	g	ISO 7765-1

Elmendorf Tear Strength			ISO 6383-2
MD : 40 μm	4.0	N	ISO 6383-2
TD : 40 μm	2.0	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Melting Temperature (DSC)	110	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (40.0 μm)	85		ASTM D2457
Haze (40.0 μm)	8.0	%	ASTM D1003
Additional Information			
Tensile Modulus, ASTM D882-A, MD, 40μ: 180 MPaTensile Modulus, ASTM D882-A, TD, 40μ: 180 MPaCoefficient of Friction, ISO 8295, dynamic, 40μ: 0.15The value listed as Melting Point ISO 3146, was tested in accordance with ISO 11357/03.The value listed as Elmendorf Tear Strength ISO 6383-2, was tested in accordance with ISO 8483/2The values listed as Film Puncture Energy and Force, were tested in accordance with ASTM D5748.			
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 190	°C	

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