



F7000 Datasheet

Description:	7000F is a high density bimodal polyethylene copolymer (with butene-1 as comonomer) intended for blown film of products with excellent mechanical strength and good stiffness. It offers good processability at high speed. The grade contains antioxidant and acid scavenger.
Typical Applications:	7000F is recommended for disposal waste bags, grocery bags and ultra-thin films.

Parameter	Test method	Unit	value
MFR - Melt Mass-Flow Rate (190°C, 2.16 kg)	ISO 1133-1	g/10 min	0.08
MFR - Melt Mass-Flow Rate (190°C, 5 kg)	ISO 1133-1	g/10 min	0.3
MFR - Melt Mass-Flow Rate (190°C, 21.6 kg)	ISO 1133-1	g/10 min	9
Density (23°C)	ISO 1183-2	kg/m ³	955
Tensile Stress at Yield (MD/TD)	ISO 527-3	MPa	27 / 24
Tensile Stress at Break (MD/TD)	ISO 527-3	MPa	55 / 45
Tensile Strain at Break (MD/TD)	ISO 527-3	%	500 / 550
Flexural Modulus	ISO 178	MPa	1500
Izod Impact Strength (notched, 23°C)	ISO 180/A	kJ/m ²	16
Spencer Impact Strength	ASTM D3420	MPa	85
Elmendorf Tear Resistance (MD/TD)	ISO 6383-2	cN	15 / 175
Dart Drop	ISO 7765-1 method A	g	200
Hardness - Shore D	ISO 868	-	64
Vicat Softening Temperature	ISO 306/A 120	°C	129
OIT - Oxidation Induction Time (200°C)	EN 728	min	50
Recommended Film Thickness	-	mm	0.006 - 0.06
Recommended Processing Temperature	-	°C	180 - 220



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