

ELITE™ 5220B

Enhanced Polyethylene Resin
The Dow Chemical Company

Message:

ELITE™ 5220B is an Enhanced Polyethylene Resin material. It is available in Latin America.
Typical application of ELITE™ 5220B: Food Contact Applications

General Information			
Agency Ratings	EU No 10/2011		
	FDA FCN 424		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.915	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	Internal Method
Film Puncture Resistance (20 µm)	27.0	J/cm ³	
Tensile Strength			
MD : Yield,20 µm	15.0	MPa	ASTM D882
TD : Yield,20 µm	17.0	MPa	
MD : Break, 20 µm	40.0	MPa	
TD : Break, 20 µm	36.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 µm	680	%	ASTM D1709A
TD : Break, 20 µm	830	%	
Dart Drop Impact (20 µm)	820	g	
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm	390	g	ASTM D1003
TD : 20 µm	600	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm)	96		ASTM D2457
Haze (20.0 µm)	1.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	271	°C	

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Recommended distributors for this material

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