



Technical Data Sheet

ELITE™ 5220B Enhanced Polyethylene Resin

Sustainability Attribute:



Physical Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.915	g/cm ³	0.915	g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	3.5	g/10 min	3.5	g/10 min	ASTM D1238
Films					
Film Thickness - Tested	1	mil	20	µm	
Film Puncture Resistance (0.79 mil (20 µm))	326	ft·lb/in ³	27.0	J/cm ³	Dow Method
Tensile Strength					ASTM D882
MD : Yield, 0.79 mil (20 µm)	2180	psi	15.0	MPa	
TD : Yield, 0.79 mil (20 µm)	2470	psi	17.0	MPa	
MD : Break, 0.79 mil (20 µm)	5800	psi	40.0	MPa	
TD : Break, 0.79 mil (20 µm)	5220	psi	36.0	MPa	
Tensile Elongation					ASTM D882
MD : Break, 0.79 mil (20 µm)	680	%	680	%	
TD : Break, 0.79 mil (20 µm)	830	%	830	%	
Dart Drop Impact (0.79 mil (20 µm))	820	g	820	g	ASTM D1709A
Elmendorf Tear Strength					ASTM D1922
MD : 0.79 mil (20 µm)	390	g	390	g	
TD : 0.79 mil (20 µm)	600	g	600	g	
Optical					
Gloss (45°, 0.787 mil (20.0 µm))	96		96		ASTM D2457
Haze (0.787 mil (20.0 µm))	1.00	%	1.00	%	ASTM D1003
Extrusion					
Melt Temperature	520	°F	271	°C	

1. ASTM: American Society for Testing and Materials

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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