

Technical Data Sheet

EVAL™ E171B

44 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C)	1.7
Density	10 ³ kg/m ³	ISO1183-3	1.14

Thermal Properties	Unit	Test Method	
Melting Temperature	°C	ISO 11357	165
Crystallization Temperature	°C	ISO 11357	145
Glass Transition Point	°C	ISO 11357	53
Vicat Softening Point	°C	ISO 306	152

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	
Tensile stress at break	MPa	ISO 527	29
Elongation at break	%	ISO 527	18
Young's Modulus	GPa	ISO 527	3.5
Flexural Modulus	GPa	ISO 178	3.2
Charpy Impact Strength	kJ/m ²	ISO 179-1	10
Rockwell Hardness	HRM	ISO 2039-2	80

Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C65%RH)	
Oxygen Transmission Rate	cm ³ .20µm/m ² .day.atm	ISO 14663-2 Annex C	1.9

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