



Technical Data Sheet

EVAL™ C109B

35 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C, 2.16kg)	8.5
Density	10 ³ kg/m ³	ISO1183-3	1.18
Thermal Properties	Unit	Test Method	Value
Melting Temperature	°C	ISO 11357	177
Crystallization Temperature	°C	ISO 11357	155
Glass Transition Point	°C	ISO 11357	58
Vicat Softening Point	°C	ISO 306	167
Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	Value
Tensile stress at break	MPa	ISO 527	32
Elongation at break	%	ISO 527	14
Young's Modulus	GPa	ISO 527	4.3
Flexural Modulus	GPa	ISO 178	4.0
Charpy Impact Strength	kJ/m ²	ISO 179-1	6
Rockwell Hardness	HRM	ISO 2039-2	89
Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C, 65%RH)	Value
Oxygen Transmission Rate	cm ³ .20µm/m ² .day.atm	ISO21309-2 Annex C	0.5

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