

Technical Data Sheet

Network Polymers Ldpe 10 1010 EVA

Ethylene Vinyl Acetate Copolymer
LyondellBasell Industries
Engineering Plastics

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (Natural)	0.930 g/cm ³	0.930 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) ¹ (190°C/21.6 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Vinyl Acetate Content	10.0 wt%	10.0 wt%	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ²			ASTM D638
Break, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	1810 psi	12.5 MPa	
Tensile Elongation ²			ASTM D638
Break, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	660 %	660 %	
Flexural Modulus - 1% Secant (0.125 In (3.18 Mm))	16000 psi	110 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	95	95	
Shore D, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	45	45	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-107 °F	-77.2 °C	ASTM D746
Vicat Softening Temperature	171 °F	77.2 °C	ASTM D1525

Notes

¹ Procedure A

² Type I, 2.0 in/min (51 mm/min)

Notes

These are typical property values not to be construed as specification limits.