

Lucalen A 3110 M Q 244

Ethylene Acrylic Acid Copolymer

LyondellBasell Industries

Message:

Lucalen A3110M Q244 is a natural adhesive medium/high density polyethelene copolymer powder with a high thermal stability. Due to the acrylic acid/acrylate copolymer (E/A) content this grade offers excellent adhesion to polar materials (i.e. epoxy resin, steel, aluminium, etc.). It is design to be used by our customers in 3-layer anti corrosion coating applications where sprayable powder is requested. The material is available in powder form. The particle size distribution is mainly in the 90 - 500 µm range.

General Information			
Features	Copolymer		
	Workability, good		
	Good thermal aging resistance		
	Good heat aging resistance		
	Heat resistance, high		
	Thermal stability, good		
Uses	Protective coating		
	Piping system		
Forms	Powder		
Processing Method	Film extrusion		
	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.928	g/cm ³	ISO 1183
Apparent Density	> 0.45	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	38		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	74.0	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ISO 306/A50
Melting Temperature (DSC)	100	°C	ISO 3146
Additional Information			
Comonomer BA, DIN 51451: 8%Comonomer AA, DIN 51451: 4%			
Extrusion instructions			

Recommended melt temperatures: The powder should be applied when the pipe temperature is within the range recommended by the epoxy supplier.

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Recommended distributors for this material

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