Jam 524F2

Linear Low Density Polyethylene

Jam Petrochemical Company

Message:

Grade under final development, to be industrialised.

Properties on compression moulded specimen according to method MA 17102 (in general agreement with (ASTM D 1928), unless specified. The density corresponds to the basic grade product, after additivation the density is increased depending on the type of additivation. ESCR made on blow moulded bottles, 1 litre, Basell internal method.

Applications

Blow Moulding

Small Containers

General Information			
Uses	Blow molding applications		
	Container		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	0.25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
(Compression Molded)	30.0	hr	Internal method
Flow Rate Ratio - Compression molded	> 90.0		ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Mechanical Tensile Strength	Nominal Value	Unit	Test Method ASTM D638
Mechanical Tensile Strength Yield, molding	Nominal Value 27.0	Unit MPa	Test MethodASTM D638ASTM D638
Mechanical Tensile Strength Yield, molding Molding	Nominal Value 27.0 32.0	Unit MPa MPa	Test MethodASTM D638ASTM D638ASTM D638
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression	Nominal Value 27.0 32.0	Unit MPa MPa	Test MethodASTM D638ASTM D638ASTM D638
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression Molded)	Nominal Value 27.0 32.0 850	Unit MPa MPa %	Test MethodASTM D638ASTM D638ASTM D638ASTM D638
MechanicalTensile StrengthYield, moldingMoldingTensile Elongation (Break, Compression Molded)Flexural Modulus (Compression Molded)	Nominal Value 27.0 32.0 850 1250	Unit MPa MPa % MPa	Test MethodASTM D638ASTM D638ASTM D638ASTM D638ASTM D638
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression Molded) Flexural Modulus (Compression Molded) Impact	Nominal Value 27.0 32.0 850 1250 Nominal Value	Unit MPa MPa % MPa Unit	Test Method ASTM D638 ASTM D638 ASTM D638 ASTM D638 ASTM D790 Test Method
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression Molded) Flexural Modulus (Compression Molded) Impact Notched Izod Impact (23°C, Compression	Nominal Value27.032.08501250Nominal Value	Unit MPa MPa % MPa Unit	Test MethodASTM D638ASTM D638ASTM D638ASTM D638ASTM D790Test Method
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression Molded) Flexural Modulus (Compression Molded) Impact Notched Izod Impact (23°C, Compression Molded)	Nominal Value 27.0 32.0 850 1250 Nominal Value 150	Unit MPa MPa % MPa Unit	Test MethodASTM D638ASTM D638ASTM D638ASTM D638ASTM D790Test Method
Mechanical Tensile Strength Yield, molding Molding Tensile Elongation (Break, Compression Molded) Flexural Modulus (Compression Molded) Impact Notched Izod Impact (23°C, Compression Molded) Thermal	Nominal Value27.032.08501250Nominal Value150Nominal Value	Unit MPa MPa % MPa Unit J/m	Test MethodASTM D638ASTM D638ASTM D638ASTM D638ASTM D790Test MethodASTM D256ATest Method

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