

LUBEMIX 45 BLACK

Polycarbonate + ABS

LUBEN PLAST srl

Message:

Compound based on blend PC/ABS second choice. Black coloured.

General Information			
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.08 to 1.12	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	15 to 20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800 to 2300	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	40.0 to 45.0	MPa	
Break	35.0 to 40.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	5.0 to 6.0	%	
Break	35 to 45	%	
Flexural Modulus ¹	1500 to 2000	MPa	ISO 178
Flexural Stress ²	45.0 to 55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30 to 35	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	350 to 400	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	30 to 35	kJ/m ²	ISO 180/A
23°C ⁴	35 to 40	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	100 to 110	°C	ASTM D648
0.45 MPa, Unannealed	105 to 115	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	95.0 to 105	°C	ASTM D648
Vicat Softening Temperature			
--	110 to 120	°C	ISO 306/A120
--	100 to 110	°C	ISO 306/B120
NOTE			
1.	2.0 mm/min		

2.	2.0 mm/min
3.	Notch E
4.	Notch A

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