LUVOTECH® eco PC/ABS T85 BK

LEHVOSS Group - *Polycarbonate + ABS*

General Information

Product Description

unreinforced; black

Main Features
- Impact resistance.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Impact Resistance		
Appearance	• Black		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	22	cm³/10min	ISO 1133
Molding Shrinkage			DIN 16742
Across Flow	0.60	%	
Flow	0.60	%	
Water Absorption (24 hr, 73°F)	< 0.20	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	319000	psi	ISO 527-1/1
Tensile Stress	7250	psi	ISO 527-2
Tensile Strain (Yield)	4.5	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	17	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	225	°F	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+12	ohms	IEC 62631-3-2
Insulation Resistance [2]	> 1.0E+12	ohms	IEC 62631-3-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer, A	158 to 212	°F
Drying Time - Desiccant Dryer, A	3.0 to 5.0	hr
Rear Temperature	410 to 482	°F
Middle Temperature	428 to 500	°F
Front Temperature	446 to 518	°F
Nozzle Temperature	464 to 536	°F
Mold Temperature	122 to 212	°F

Injection Notes

During processing, the moisture level should not exceed 0.01%, otherwise molecular degradation may occur. As the material absorbs water very quickly, the predried material should be fed to the processing immediately. The processing notes provided merely represent a recommendation for general use. Due to the large variety of machines, geometries and volumes of parts, etc., it may be necessary to employ different settings according to the specific application. Please contact us for further information.