

LUVOTECH® eco ABSHT BK

LEHVOSS Group - Acrylonitrile Butadiene Styrene

General Information

Product Description

unreinforced; black

Main Features

- Improved heat resistance.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12	cm ³ /10min	ISO 1133
Molding Shrinkage			DIN 16742
Across Flow	0.50 to 0.70	%	
Flow	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	290000	psi	ISO 527-1/1
Tensile Stress	6530	psi	ISO 527-2
Tensile Strain (Yield)	18	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.5	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	223	°F	ISO 306/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		Internal Method

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer, A	158 to 203	°F
Drying Time - Desiccant Dryer, A	2.0 to 4.0	hr
Rear Temperature	428 to 482	°F
Middle Temperature	428 to 482	°F
Front Temperature	446 to 500	°F
Nozzle Temperature	428 to 482	°F
Processing (Melt) Temp	446	°F
Mold Temperature	104 to 176	°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.

