

Meras® LW 450 SG30 BK01

(PBT+ASA)-GF30

Sipchem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9500	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	190	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	176	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215	°C	ISO 75-1/-2
Other properties			
Density	1420	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	70 - 90	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe, Asia Pacific, Near East/Africa