

KEBALLOY ECO E401

PET

Barlog plastics GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	4	%	ISO 527
Charpy impact strength, +23°C	260	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.5	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	247	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	62	°C	ISO 75-1/-2
Other properties			
Density	1330	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	160	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.005	%	-
Melt temperature	270 - 300	°C	-
Zone 1	280 - 290	°C	-
Back pressure	4 - 8	MPa	-
Holding pressure	2 - 6	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

CertificationsRecycled Resin Content, Food contact, Food approval 10/2011,
Food approval FDA 21 CFR**Applications**

Packaging, Sports Equipment

Regional Availability

Europe