Property Data

Envalior
Imagine the Future

Pocan® ECOT3240 000000

(PBT+PET)−GF45

45% Glass Reinforced, Injection Molding, Excellent Surface Properties, Recycled Content

Print Date: 2024−05−04

Sustainability

Mass balanced
Recycled based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**VALUE**		
Melt volume−flow rate	30	cm³/10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	5	kg	ISO 1133
Molding shrinkage (normal)	0.8	%	ISO 294−4
Molding shrinkage (parallel)	0.2	%	ISO 294−4
MECHANICAL PROPERTIES	**VALUE**		
Tensile modulus	16000	MPa	ISO 527−1/−2
Stress at break	160	MPa	ISO 527−1/−2
Strain at break	1.9	%	ISO 527−1/−2
Flexural modulus	15500	MPa	ISO 178
Flexural strength	260	MPa	ISO 178
Flexural strain at flexural strength	2.1	%	ISO 178−A
Charpy impact strength (+23°C)	60	kJ/m²	ISO 179/1eU
Charpy impact strength (−30°C)	65	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)		kJ/m²	ISO 179/1eA
Charpy notched impact strength (−30°C)		kJ/m²	ISO 179/1eA
Izod impact strength (+23°C)	55	kJ/m²	ISO 180/1U
Izod impact strength (−30°C)	60	kJ/m²	ISO 180−1U

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
THERMAL PROPERTIES	VALUE		
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75−1/−2
Temp. of deflection under load (0.45 MPa)	225	°C	ISO 75−1/−2
Coeff. of linear therm. expansion (parallel)	0.2	E−4/°C	ISO 11359−1/−2
Coeff. of linear therm. expansion (normal)	0.8	E−4/°C	ISO 11359−1/−2
ELECTRICAL PROPERTIES	VALUE		
Comparative tracking index	275	V	IEC 60112
OTHER PROPERTIES	VALUE		
Density	1690	kg/m³	ISO 1183