

ECOTRAN® E2150T NC

PPS-(GF+MF)

HDC Polyall

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
Melt Flow Index, MFI	2.43	g/10min	ISO 1133
MFI temperature	320	°C	-
MFI load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	172	MPa	ISO 527
Strain at Break	1.8	%	ISO 527
Impact Strength (Charpy), +23°C	51	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10.2	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	14400	MPa	ISO 178
Flexural strength	275	MPa	ISO 178
Rockwell Hardness	R 113,7	-	ISO 2039-2

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	280	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	265	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0	class	UL 94
Thickness tested	3.2	mm	-

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	4	-	IEC 62631-2-1
Dissipation Factor, 1MHz	50	E-4	IEC 62631-2-1
Volume Resistivity	1E14	Ohm*m	IEC 62631-3-1
Electric Strength	25	kV/mm	IEC 60243-1
Comparative tracking index	175	-	IEC 60112
ASTM Data			
Arc Resistance	120	s	ASTM D 495

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	0.02	%	Sim. to ISO 62
Density	1730	kg/m ³	ISO 1183

Characteristics

Delivery form

Natural Color

Special Characteristics

Impact modified