

TECHNICAL DATA SHEET

TOTAL PP C 3150 MX5

TotalEnergies

Processing

Injection molding

Features

High crystallinity, Copolymer

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Applications

Automotive

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1500	MPa	ISO 527
Yield stress	29	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	1400	MPa	ISO 178
Flexural modulus	410	MPa	ISO 178
Flexural modulus temperature	90	°C	
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Izod notched impact strength	5.5	kJ/m ²	ISO 180/1A
Temperature	-20	°C	
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	145	°C	ISO 306

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Thermal Properties	Value	Unit	Standard
Vicat softening temperature, B	75	°C	ISO 306

Other Properties	Value	Unit	Standard
Density	905	kg/m ³	ISO 1183