

HOSTAFORM® EC270TX | POM | Specialty

Physical properties	Value	Unit	Test Standard
Density	1380	kg/m ³	ISO 1183
Melt volume rate (MVR)	1.5	cm ³ /10min	ISO 1133
MVR test temperature	190	°C	ISO 1133
MVR test load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	1950	MPa	ISO 527-2/1A
Tensile stress at yield (50mm/min)	44	MPa	ISO 527-2/1A
Tensile strain at yield (50mm/min)	11	%	ISO 527-2/1A
Nominal strain at break (50mm/min)	15	%	ISO 527-2/1A
Charpy notched impact strength @ 23°C	6.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	166	°C	ISO 11357-1,-2,-3

Electrical properties	Value	Unit	Test Standard
Volume resistivity	10	Ohm*m	IEC 60093
Surface resistivity	1000	Ohm	IEC 60093

Test specimen production	Value	Unit	Test Standard
Processing conditions acc. ISO	9988-2	-	Internal

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Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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