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# PRODUCT DATA SHEET

## 4PROP 9C19300

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### Product Description

4PROP 9C19300 is a MFI 9 Conductive Copolymer Polypropylene

### Technical Data

General Property	Test Procedure	Units	Value Dry - (Cond.)
Melt Flow Rate (230°C, 2.16Kg)	ISO 1133	g/10 mins	9
Specific Gravity	ISO 1183	g/cm <sup>3</sup>	1.00
Water Absorption (24Hrs - 50% RH, 23°C)	ISO 62	%	0.02

Mechanical Property	Test Procedure	Units	Value Dry - (Cond.)
Izod Impact, Notched, +23°C	ISO 180/1A	kJ/m <sup>2</sup>	45
Tensile Modulus 5mm/min, +23°C	ISO R 527	MPa	1000
Tensile Strain @ Break, 5mm/min, +23°C	ISO R 527	%	10
Tensile Stress @ Break 5mm/min, +23°C	ISO R 527	MPa	20

Thermal Property	Test Procedure	Units	Value Dry - (Cond.)
Continuous Operating Temperature	ISO 2578	°C	90
Deflection Temperature @ 0.45 Mpa	ISO 75	°C	60
Deflection Temperature @ 1.8 Mpa	ISO 75	°C	45
Melt Temperature - 10 K/min	ISO 11357-1/-3	°C	165
Vicat Softening Temperature - 50N	ISO 306	°C	145

Electrical/ Flammability Property	Test Procedure	Units	Value Dry - (Cond.)
Comparative Tracking Index	IEC 60112	V	450
Flammability Rating 0.75mm	UL 94 (Internal)	--	HB
Flammability Rating 1.6mm	UL 94 (Internal)	--	HB
Surface Resistivity	IEC 60093	Ω	<1E+3
Volume Resistivity	IEC 60093	Ω.cm	<1E+3

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Test Values: Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/ die, the processing conditions and the colouring.



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