Technical Data Sheet

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EcoPro-P
(Polypropylene)

Document	ISO Technical Data Sheet
Description	Polypropylene Compound
Grade	Recycled Based
Code	RPB9061K
Colour	Black
Applications	Sustainably engineered, high-performance recycled-based plastic raw material, specially developed for use in the home appliances, automotive, small household appliances, and hardware industries

Properties	Method	Unit	Value
Physical Characterization			
Density at 23ºC	ISO 1183-1	g/cm^3	0.98-1.03
Melt Flow Rate (230ºC-2.16 kg)	ISO 1133-1	g/10 min	6 min.
Filler Content	ISO 11358-1	%	-
Mechanical Characterization at 23ºC			
Tensile Strength at Break	ISO 527-2	MPa	17-20
Tensile Strength at Yield	ISO 527-2	MPa	14-17
Elongation at Break	ISO 527-2	%	100 min.
Tensile Modulus	ISO 527-2	MPa	750-900
Izod Notched Impact Strength	ISO 180-1/1eA	kJ/m^2	4 min.
Charpy Notched Impact Strength	ISO 179-1/1eA	kJ/m^2	-
Hardness	ISO 868	Shore D	66-67
Chemical Analysis			
Cd Content	ASTM F2617-15	ppm	100 max.
Cr-Total Content	ASTM F2617-15	ppm	100 max.
Hg Content	ASTM F2617-15	ppm	100 max.
Pb Content	ASTM F2617-15	ppm	100 max.
Br-Total Content	ASTM F2617-15	ppm	1000 max.
Sb Content	ASTM F2617-15	ppm	200 max.
Co Content	ASTM F2617-15	ppm	100 max.
Cl Content	ASTM F2617-15	ppm	2000 max.
Regulations Compliance			
ROHS Compliance Status: OK			
REACH Compliance Status: OK			

*These values are obtained from standard specimens that have been injection molded and tested in accordance with the relevant current ISO and ASTM standards in the POLIPRO laboratory. They are not solely sufficient to directly determine end-use performance or design specifications. The values provided in the datasheet represent statistical average values of the typical properties of the product and may vary as the dataset expands.

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*** The products mentioned in this document are not designed for use in medical, pharmaceutical, or healthcare applications, and Polipro Plastik A.Ş. does not support their use for such applications.

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