



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 10-01 J02 BLACK 000

P/E

Polypropylene copolymer unfilled, flowability specific for injection moulding, black color not matched.

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

V0-06-25

Automotive applications

ASTM

Typical Applications

Test Methods

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	200°C - 5.0 kg	10.0	g/10'
Density	ASTM D792 Method A	73°F	0.915	kg/m³
Ash content	Internal Method	475°C - 15 min	1.5	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	150000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	4500	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	170000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	3500	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	2800	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	7.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	55.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	1.3	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	205	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	160	°F
Accelerated ageing and heat resistance	ASTM D3012	140°C (284°F)	600	h

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