



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 05-02 005 BLACK

P/E

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

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

Rigid packaging applications

ASTM

Typical Applications

Test Methods

[REC 100%]

V0-024-25

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	200°C - 5.0 kg	4.5	g/10'
Density	ASTM D792 Method A	73°F	930	kg/m³
Ash content	Internal Method	475°C - 15 min	4.0	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	170000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	4800	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	210000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	3750	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	2550	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	6.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	45.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	2.8	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	196	°F
Deflection Temperature Under Load	ASTM D648	(264 psi, Unanneled)	125	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (10N-50 C/h)	296	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate B (50N-50 C/h)	158	°F

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