



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 15-01 TDB10 JW1 BLACK 000

P/E-TD10

Polypropylene copolymer filled 10% talc, engineered to provide improved heat resistance and protection against copper-induced degradation, flowability specific for injection moulding, black color not matched.

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

V0-11-25

Used in Automotive application, as well as standard applications

ASTM

Typical Applications

Test Methods

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 2.16 kg	15.0	g/10'
Density	ASTM D792 Method A	-	1.000	kg/m ³
Ash content	Internal Method	700°C - 10 min	10.0	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	250000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	6000	psi
Tensile Modulus	ASTM D637	73°F - 0.05 in/min	270000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	3100	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	2500	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	4.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	35.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	1.0	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D6488	(264 psi, Unanneled)	149	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	165	°F
Horizontal Combustibility	FMVSS302	-	OK	-

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