

TECHNICAL DATA SHEET

ADSTET-R17D0600

Brown Silver Effect

High Performance Recycled PP Compound

Quality assured by AD Compound Material Managing Procedure



PHYSICAL	METHOD	UNITS	RANGE VALUE
MFI (E2) 190°C/10 Kg - [WPC]	ISO 1133	g/10min	>= 30,0
DENSITY 23°C	ISO 1183	g/cm3	0,970 ÷ 1,000
XRF (RoHS DIRECTIVE)	IDO 10 LAB		CONFORM
MECHANICAL	METHOD	UNITS	RANGE VALUE
TENSILE MODULUS (+23°C 2mm/min)	ISO 527	MPa	>= 1900
IMPACT	METHOD	UNITS	RANGE VALUE
CHARPY IMPACT STRENGTH, NOTCHED (+23°C)	ISO 179-1/1eA	kJ/ m²	>= 2,50
OTHER	METHOD	UNITS	RANGE VALUE
DELTA E (COLOR)	CIELAB D65		0,00 ÷ 2,00
L* (COLOR) (D65)	CIELAB D65		42,49
a* (COLOR) (D65)	CIELAB D65		8,25
b* (COLOR) (D65)	CIELAB D65		5,03
RECYCLE PLASTIC CONTENT	INTERNAL	%	>=70
CARBON FOOTPRINT REDUCTION²	INTERNAL	Kg CO₂ eq/kg	- 86%

RECOMMENDED PROCESSING CONDITIONS

DRYING TEMPERATURE (°C)	90
DRYING TIME (h)	2-4
MELT TEMPERATURE (°C)	180 - 200
INJECTION SPEED	Medium
INJECTION PRESSURE	Medium
SHOT WEIGHT\BARREL CAPACITY (%)¹	25-50

¹ Recommendation suggested before processing.

² Reduction of carbon footprint, based on raw materials formulation only, compared to a virgin matrix PP Compound 12% mineral filled. The calculation has been carried out internally based on data available on literature and considering at least 70% of PIR PP matrix.

- Using less than 25% of the barrel capacity will extend the amount of time in which material sits in the barrel and it could cause the degradation of material.

- Using more than 50% of the barrel capacity may not give material pellets the proper amount of time to melt and cause the material to have a non-uniform plasticization with the potential surface defects on the product.

Residence time on the same **barrels shot capacity** also depends on the cycle time which has to be correlated to the product and mould.

For the contact details of the A.D. COMPOUND S.p.a company selling this product in your country, please visit www.adcompound.com

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A.D. Compound S.p.a. Via Meucci, 2 28066 Galliate (NO) Tel. +39 0321 866834 Fax +39 0321 866850 www.adcompound.com

Sede legale: Via Larga, 6 20122 Milano (Mi) C.F.-P.I. 02253490128 C.S. €4.250.000,00 i.v. Registro imprese: Milano n.02253490128 REA n. 1815199

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