



cPP-ET20:

20 wt% talc-filled recycled polypropylene from packaging waste

naeco
RECYCLING

cPP-ET20 is a recycled polypropylene (PP) compound developed for injection moulding applications. 20 wt% talc-reinforced, provides increased stiffness and dimensional stability on injection moulded items. By default, material colour is grey (with variations over time) though colour could be tailored on demand. There are also alternative related grades: cPP-E, cPP-EM, cPP-EF20, cPP-EF40, cPP-ET10.

APPLICATIONS¹

Injection moulded items, as crates, buckets, pots, furniture and other consumer goods.

DESCRIPTION

Material	Colour	Presentation
PP-Talc	Light grey	Compound

MATERIAL CHARACTERISTICS

Physical properties ²	Test Method	Typical value ³	Units
Melt Flow Index (MFI)	ISO 1133 (230 °C / 2.16 kg)	7-12	g/10 min
Density	ISO 1183	1.03-1.06	g/cm ³
Hardness Shore D	ISO 868	62-66	-

Mechanical Properties ²	Test Method	Typical value ³	Units
Tensile elastic modulus	ISO 527-2/1A/1	1500-1700	MPa
Tensile strength at yield	ISO 527-2/1A/50	> 20	MPa
Tensile elongation at yield	ISO 527-2/1A/50	> 5	%
Charpy notched impact strength (23 °C)	ISO 179-1/1eA	3-4	kJ/m ²

Notes:

¹ The list of possible applications is not exhaustive. It is indicated as a guideline based on accumulated experience.

² All properties, with the exception of MFI, are determined in our in-house laboratory on ISO type 1-A test specimens obtained by injection moulding.

³ Typical values a representative average values.

Disclaimer: This product is a recycled grade. Although raw materials are regular and homogenous, material properties and/or performance may vary. Hence, values indicated in this datasheet are not to be construed as specifications. They are provided in good faith, but no guarantees are given and no responsibility is assumed by NAECO RECYCLING, S.L. for the information in this document, which is accurate and reliable as of the date of publication.

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