



Technical Data Sheet

Nature-Comp F 2460T

General Description

Nature-Comp F 2460T compound is a bio-degradable/ compostable compound based on PBAT/ PLA blends having excellent processing and handling during extrusion as well as the bag-making process. Nature-Comp F 2460T is a specialized high stiffness grade with best-in-class transparency. Nature-Comp F 2460T is compatible with poly-butylene adipate terephthalate, polylactic acid and other biopolymers. This gives converters great flexibility with respect to using blends of Nature-Comp F 2460T with other biopolymers to cover a wide range of applications. Nature-Comp F 2460T has excellent mechanical, barrier and sealing properties making it extremely suitable for paper coating application through the extrusion coating process. It also passes the overall migration test at 40°C for 10 days concerning the food stimulants 10% ethanol, 95% ethanol, 3% acetic acid and iso-octane as per Regulation (EU) 10/2011 and its Amendment Regulation (EU) 2016/1416 on Food Contact.

Characteristics

- Very high transparency
- Good mechanical strength
- High heat stability
- Easy processability
- High stiffness
- Food compliant

Technical Data

Property	Unit	Test Method	Typical Value
Density	g/cc	ISO 1183	1.24
Melt Flow Index (190°C, 2.16 kg)	g/ 10 min	ISO 1133	5-7
Melting Point	°C	DSC	125-145
Mechanical Properties (Tested on 50-micron film)			
Tensile Strength	MPa	ISO 527	35-42
Elongation at break	%	ISO 527	250-320
Tensile Modulus	MPa	ISO 527	850
Dart Drop Test	g	ISO 7765	280
Tear Strength	mN	ISO 6383-1	180-230



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Processing Parameters

Nature-Comp F2460T can be processed on conventional LDPE blown film extrusion machinery. Typical temperature profile: Barrel zones: 125-140°C, Die Head: 145°C

Packaging

Nature-Comp F2460T is packed in 20 kg bags

Storage

Nature-Comp F2460T is recommended to be stored under a temperature of 35°C in dry conditions. To be kept away from direct sunlight.

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