FRIANYL® A3 V2 A ECO-B 352 WT 9003/T

FRIANYL®

Suitable for any field of application, this grade offers good mechanical performance, high productivity, easy processability for an aesthetically brilliant result.

FRIANYL A3 V2 A ECO-B 352 WT 9003/T incorporates a min. 30% of biobased content derived from waste by weight in the finished product through mass balance allocation. The product is a drop-in replacement to the standard grade with the same performance and processing properties and contributes to the displacement of virgin fossil fuel resources. The biobased source and allocated content in the product are certified according to ISCC PLUS mass balance approach.

Product information

Resin Identification	PA66		ISO 1043
Part Marking Code	>PA66<		ISO 11469
Continuous Service Temperature	248	°F	IEC 60216-1

Rheological properties

	dry/cond.		
Viscosity number	3740 / *	in^3/lb	ISO 307, 1628
Molding shrinkage range, parallel	0.9 - 1.3	%	ISO 294-4, 2577
Molding shrinkage range, normal	1.3 - 1.6	%	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Tensile modulus	479000 / -	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	12000 / -	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	5 / -	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	1.28 / -	$ftlb/in^2$	ISO 179/1eA
Ball indentation hardness, H 961/30	21800 / -	psi	ISO 2039-1

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	509 / *	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	185 / *	°F	ISO 75-1/-2

Flammability

	dry/cond.		
Thickness tested	0.0630 / *	in	IEC 60695-11-10
Thickness tested	0.1260 / *	in	IEC 60695-11-10

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	2 / *	%	Sim. to ISO 62
Water absorption, 2mm	8 / *	%	Sim. to ISO 62
Density	0.0422 / -	lb/in^3	ISO 1183

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat, Laser Markable
Sustainability	Bio-Content

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