

EPIMIX PBT/PET GFR 30 NC

Polybutylene Terephthalate + PET

EPSAN Plastik SAN. ve TiC. A.S.

Message:

EPIMIX PBT/PET, reinforced with 30% of glass fiber, heat stabilized, lubricated for injection moulding.
EPIMIX PBT/PET GFR 30 is used in all sectors of industry, compliance with RoHs derivatives.
This product is available in natural and in colours on request.

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Additive		heat stabilizer		
		Lubricant		
Features		Thermal Stability		
		Lubrication		
RoHS Compliance		RoHS compliance		
Appearance		Available colors		
		Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.54	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	1.0	--	%	ISO 294-4
Flow direction: 3.00mm	0.20	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Ash Content	30	--	%	ISO 3451-4
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	84	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10500	9750	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	135	120	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	2.0	4.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	9500	9000	MPa	ISO 178
Flexural Stress ² (23°C)	195	180	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	9.0	kJ/m ²	ISO 179/1eA

Notched Izod Impact (23°C)	7.0	8.0	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³				
0.45 MPa, not annealed	215	--	°C	ISO 75-2/B
1.8 MPa, not annealed	205	--	°C	ISO 75-2/A
Vicat Softening Temperature	215	--	°C	ISO 306/B120
Melting Temperature (DSC)	220	--	°C	ISO 3146
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.60 mm)	HB	--		UL 94, IEC 60695-11-10, -20
Additional Information				
干燥 TEST CONDITIONS: Laboratory conditions are 23 ±2°C and 45-55 % RH.				
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 - 4.0		hr	
Processing (Melt) Temp	260		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	120°C/h			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

