

EPIMIX PBT FV0 NC

Polybutylene Terephthalate
EPSAN Plastik SAN. ve TiC. A.S.

Message:

EPIMIX PBT, Flame retardant, heat stabilized, lubricated for injection moulding.
EPIMIX PBT FV0 , Halogenated , is used in all sectors of industry , compliance with RoHs derivatives , with rating UL94 V0.
This product is available in natural and in colours on request.

General Information				
Additive		heat stabilizer		
		Lubricant		
		Flame retardancy		
Features		Halogenated		
		Thermal Stability		
		Lubrication		
		Flame retardancy		
RoHS Compliance		RoHS compliance		
Appearance		Available colors		
		Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.45	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	1.9	--	%	ISO 294-4
Flow direction: 3.00mm	1.6	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	80	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2700	2500	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	55.0	45.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	3.0	6.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2550	2400	MPa	ISO 178
Flexural Stress ² (23°C)	90.0	75.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	8.0	kJ/m ²	ISO 179/1eA

Notched Izod Impact (23°C)	5.0	7.0	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³ (0.45 MPa, Unannealed)	175	--	°C	ISO 75-2/B
Vicat Softening Temperature	190	--	°C	ISO 306/B120
Melting Temperature (DSC)	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	300	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-0	--		UL 94, IEC 60695-11-10, -20
Glow Wire Flammability Index (1.60 mm)	960	--	°C	IEC 60695-2-12
Additional Information				
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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			

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