

EPIMIX POM IMP NC B001

Acetal (POM) Copolymer
EPSAN Plastik SAN. ve TiC. A.S.

Message:
POLYACETAL POM, with improved good-impact resistance , Standard-flow grad, for injection molding.
POLYACETAL POM , is used in all sectors of industry, compliance with RoHs derivatives.

General Information				
Features		Copolymer		
		Impact resistance, good		
		Good liquidity		
RoHS Compliance		RoHS compliance		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.33	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	--	cm ³ /10min	ISO 1133
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	1.8	--	%	ISO 294-4
Flow direction: 3.00mm	1.4	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.25	--	%	ISO 62
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)	2100	1850	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	40.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	< 50	< 40	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2050	1750	MPa	ISO 178
Flexural Stress ² (23°C)	75.0	55.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	15	kJ/m ²	ISO 179/1eA
Notched Izod Impact				ISO 180/1A
-40°C	9.0	11	kJ/m ²	ISO 180/1A
23°C	13	15	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	78.0	--	°C	ISO 75-2/A

Vicat Softening Temperature	140	--	°C	ISO 306/B120
Melting Temperature (DSC)	160	--	°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	160 - 210		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	120°C/h			

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