

FORMOCON® FM450

POM

Formosa Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	45	g/10min	ASTM D 1238
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	61	MPa	ASTM D 638
Elongation at Break	35	%	ASTM D 638
Flexural Modulus	2550	MPa	ASTM D 790
Flexural Strength	93	MPa	ASTM D 790
Rockwell Hardness	M80	-	ASTM D 785
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	84.5	E-6/K	ASTM D 696
DTUL @ 66 psi	158	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648
Melting Temperature	165	°C	ASTM D 3418
Vicat Temperature	162	°C	ASTM D 1525
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.8	-	IEC 62631-2-1
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Other properties			
Density	1410	kg/m ³	ASTM D 792

Characteristics**Applications**

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific