

PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO.,LTD.

MF3025E

A medium-high viscosity grade for general injection molding. It was reinforced milled glass fiber, and so suitable for parts requiring low warpage than those of the FG grade by reinforcing short glass fiber.

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	—	1.44
Water Absorption	ASTM D570	%	0.20
Thermal			
Melt Index	ASTM D1238	g/10min	11.0
Melting Point	ASTM D3418	°C	165
Heat Deflection Temperature	ASTM D648	°C	125
Flammability	UL94	—	HB
Mechanical			
Tensile Strength	ASTM D638	kg _f /cm ² (MPa)	600 (59)
Tensile Elongation	ASTM D638	%	25
Flexural Strength	ASTM D790	kg _f /cm ² (MPa)	900 (88)
Flexural Modulus	ASTM D790	× 10 ⁴ kg _f /cm ² (MPa)	2.86 (2,805)
Notched Izod Impact Strength	ASTM D256	kg _f · cm/cm (J/m)	6.0 (59)
Electrical			
Dielectric Constant	ASTM D150	—	—
Dielectric Dissipation Factor	ASTM D150	—	—
Surface Resistivity	ASTM D257	Ω	1 × 10 ¹⁶
Volume Resistivity	ASTM D257	Ω · cm	1 × 10 ¹⁴
Dielectric Strength	ASTM D149	kV/mm	—



PRODUCT INFORMATION

Metric & US unit

Acetal Copolymer
KEPITAL®

KOREA ENGINEERING PLASTICS CO.,LTD.

MF3025E

A medium-high viscosity grade for general injection molding. It was reinforced milled glass fiber, and so suitable for parts requiring low warpage than those of the FG grade by reinforcing short glass fiber.

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	—	1.44
Water Absorption	ASTM D570	%	0.20
Thermal			
Melt Index	ASTM D1238	g/10min	11.0
Melting Point	ASTM D3418	°C (°F)	165 (329)
Heat Deflection Temperature	ASTM D648	°C (°F)	125 (257)
Flammability	UL94	—	HB
Mechanical			
Tensile Strength	ASTM D638	kg _f /cm ² (psi)	600 (8,534)
Tensile Elongation	ASTM D638	%	25
Flexural Strength	ASTM D790	kg _f /cm ² (x 10 ³ psi)	900 (12.8)
Flexural Modulus	ASTM D790	x 10 ⁴ kg _f /cm ² (x 10 ⁴ psi)	2.86 (40.7)
Notched Izod Impact Strength	ASTM D256	kg _f · cm/cm(ft · lb/in)	6.0 (1.1)
Electrical			
Dielectric Strength	ASTM D150	—	—
Dielectric Dissipation Factor	ASTM D150	—	—
Surface Resistivity	ASTM D257	Ω	1 x 10 ¹⁶
Volume Resistivity	ASTM D257	Ω · cm	1 x 10 ¹⁴
Dielectric Strength	ASTM D149	kV/mm	—

