

Adamas Adalon® 266 PTFE, Mineral/Glass Bubbles Filler

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Information provided by Adamas, HPM

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adamas-Adalon-266-PTFE-MineralGlass-Bubbles-Filler.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 - 1.70 g/cc	1.65 - 1.70 g/cc	ASTM D792
Deformation	1.8 - 2.2 %	1.8 - 2.2 %	Permanent deformation after 24 hrs @ 23°C; ASTM D621
	13.4 - 16.8 %	13.4 - 16.8 %	ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50 - 54	50 - 54	ASTM D2240
Ball Indentation Hardness	50.0 - 60.0 MPa	7250 - 8700 psi	ISO 2032-N132
Tensile Strength at Break	>= 13.0 MPa	>= 1890 psi	ASTM D4894
Elongation at Break	>= 300 %	>= 300 %	ASTM D4894
Compressive Strength	>= 22.0 MPa	>= 3190 psi	@ 1% deformation, 140 Kg/cm ² ; ASTM D621
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.220 W/m-K	1.53 BTU-in/hr-ft ² -°F	ASTM C 177
Melting Point	327 °C	621 °F	DSC
Maximum Service Temperature, Air	230 °C	446 °F	DSC
Minimum Service Temperature, Air	-80.0 °C	-112 °F	DSC
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	ASTM D257
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	ASTM D257

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