

KOCETAL® WR702

Acetal (POM) Copolymer

Kolon Plastics, Inc.

Message:

KOCETAL® WR702 is U.V. stabilized grade suitable for out door applications.

General Information			
Additive	UV stabilizer		
Uses	Outdoor application		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	2.1	%	ISO 294-4
Flow	2.1	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.84	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	60.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	40	%	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Melting Temperature	166	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Dielectric Strength	19	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80 - 90	°C	
Drying Time	3.0	hr	

Rear Temperature	180	°C
Middle Temperature	190	°C
Front Temperature	190	°C
Nozzle Temperature	200	°C
Processing (Melt) Temp	< 220	°C
Mold Temperature	60 - 80	°C

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