

KOCETAL® UR304LO

Acetal (POM) Copolymer

Kolon Plastics, Inc.

Message:

KOCETAL®UR304LO is a polyoxymethylene (POM) copolymer product. It is available in North America, Latin America, Europe or Asia Pacific. KOCETAL®UR304LO applications include the automotive industry, electrical/electronic applications and engineering/industrial accessories.

Features include:

flame retardant/rated flame

Impact modification

odorless/tasteless channel

General Information			
Additive	Impact modifier		
Features	Impact modification		
	The smell is low to none		
Uses	Fasteners		
	Switch		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.7	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	45.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	140	%	ASTM D638
Flexural Modulus (23°C)	1800	MPa	ASTM D790
Flexural Strength (23°C)	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, not annealed	145	°C	ASTM D648A
1.8 MPa, not annealed	82.0	°C	ASTM D648A
Melting Temperature	166	°C	ASTM D1525
CLTE - Flow	1.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant	3.70		ASTM D150
Dissipation Factor (1 MHz)	6.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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