

بازرگانی کو ثر Kosar Trading +9821-88174517 info@kosar.co www.kosar.co

## **KOCETAL® K300 Data Sheet**

## Acetal (POM) Copolymer

Supplied by Kolon Plastics, Inc.

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**Product Description** 

Kocetal K300 is a general injection molding grade with a good mechanical property for wide range.

General

Material Status

• Commercial: Active

Asia Pacific
 North America

Availability • Europe • South America

Features • General Purpose

Uses • General Purpose

RoHS Compliance

Automotive Specifications

Forms • Pellets

Processing Method • Injection Molding

Physical Nominal Value Unit Test Method Specific Gravity ASTM D792 Melt Mass-Flow Rate (MFR)  $g/10 \min$ **ASTM D1238**  $(190^{\circ}\text{C}/2.16 \text{ kg})$ Water Absorption (Equilibrium, 73°F, % ASTM D570 60%RH) Mechanical Nominal Value Test Method Unit

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Tensile Strength		psi	ASTM D638
Tensile Elongation (Yield, 73°F)		%	ASTM D638
Flexural Modulus (73°F)		psi	ASTM D790
Flexural Strength (73°F)		psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)		ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)			ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed		°F	
264 psi, Unannealed		°F	
Vicat Softening Temperature		$^{\circ}\mathrm{F}$	ASTM D1525
Melting Temperature <sup>2</sup>		$^{\circ}\mathrm{F}$	<b>ASTM D3418</b>
CLTE - Flow		in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity		ohm	ASTM D257
Volume Resistivity		ohm∙cm	ASTM D257
Dielectric Strength		V/mil	ASTM D149
Dielectric Constant			ASTM D150
Dissipation Factor (1 MHz)			ASTM D150
Arc Resistance		sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
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Related Terminology

Product names can be difficult to match. You may have searched any one of these terms to find this product: KOCETAL® K300, KOCETAL K300, KOCETAL®, KOCETAL, KOCETALK300, K 300, K300, Acetal Copolymer, Acetal Copolymer, Acetal (POM) Copolymer, Acetal POM Copolymer, Acetal, pom, Kolon, AcetalPOMCopolymer, 300K Automotive Specifications

This plastic material has approval for 1 automotive specifications from the following agencies (the number in parentheses shows the number of specifications for that agency): GM (1). Notes

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<sup>&</sup>lt;sup>1</sup>Typical properties: these are not to be construed as specifications.

<sup>&</sup>lt;sup>2</sup>10°C/min