

MANUFACTURER HIGHLIGHT



Founded in 1996, KOLON ENP specializes in producing engineering plastics (EP), an essential component in lightweight automobile design and high-performance materials for high-end home appliances and electrical/electronic products. KOLON offers the most diverse product portfolio in Korea, including POM, PA, PBT, and PPS, a Super EP with world-class quality.

We have a full range of manufacturing processes, from engineering plastic base products to compound products with enhanced specific functions and are becoming a global leader in materials by supplying engineering plastic materials to more than 90 countries around the world.

KOLON ENP strives to become a Global Major Player in the high-tech materials industry through continuous R&D of new materials and rigorous overseas expansion.

POM
KOCETAL®

KOCETAL® is an engineering plastic with high crystallinity of polyacetal copolymer. It is characterized by balanced mechanical properties, low coefficient of friction, excellent wear resistance, and excellent fuel resistance, and stable dimensional stability due to its low moisture absorption rate.

The main application is a wide range of applications, from automotive parts such as gears, fuel pump modules, door latches, window regulator parts, and seat belt parts, to drive parts for home appliances such as refrigerators, air conditioners, and printers, and daily necessities such as buckles and zippers.



CATEGORY	GRADE NAME	DESCRIPTION
GENERAL	K100	High Viscosity, for Extrusion (MFR : 3g/10min)
	K100SP	High Viscosity, for Injection (MFR : 4.5g/10min)
	K300	Medium Viscosity, Standard (MFR : 9g/10min)
	K300EW	Medium Viscosity, Ductile Improved (MFR : 9g/10min)
	K500	Medium Viscosity (MFR : 15g/10min)
	K700	Low Viscosity (MFR : 27g/10min)
	K800	Low Viscosity (MFR : 36g/10min)
	K900	Ultra-low Viscosity (MFR : 45g/10min)
	K900HF	Ultra-low Viscosity (MFR : 75g/10min)
HIGH STRENGTH	K100HS	High Strength, High Viscosity (MFR : 3g/10min)
	K500HS	High Strength, Medium Viscosity (MFR : 15g/10min)
IMPACT MODIFIED	UR302	Impact Modified (TPU included)
	UR304	Impact Modified (TPU included)
	UR306	Impact Modified (TPU included)
	EL302	Impact Modified (TPEE included)
	EL304	Impact Modified (TPEE included)

LUMBAR SUPPORT
K300EW, K300LO, UR302LO

- ▶ Injection moldability
- ▶ Dimensional stability



WINDOW MOTOR GEAR
K100HS

- ▶ Friction resistance
- ▶ Creep resistance
- ▶ Dimensional stability



BUMPER BRACKET
K300EWBBK, K300HBK

- ▶ Excellent dimensional stability
- ▶ Optimized toughness and strength



GEAR
LF301, K300, K300EW, GF305

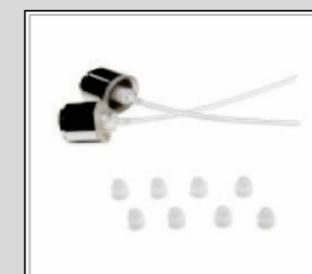
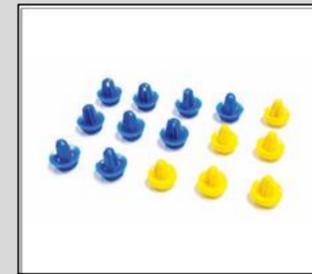
- ▶ Low friction
- ▶ Creep resistance
- ▶ Dimensional stability



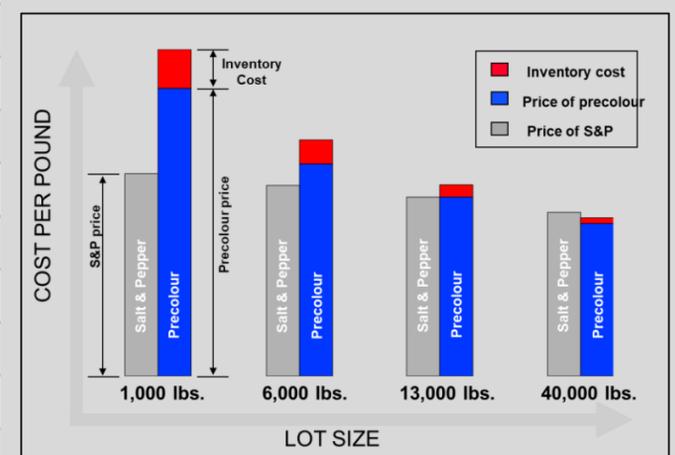


KOCETAL® Polyoxymethylene (POM)

CATEGORY	GRADE NAME	DESCRIPTION
REINFORCED GRADE	GF305	Glass Fiber 25% Reinforced
	GF702	Glass Fiber 10% Reinforced
	GF705	Glass Fiber 25% Reinforced
	GB705	Glass Bead 25% Reinforced
	TC704	Talcum 20% Reinforced
	WH704	Whisker 20% Reinforced
WEATHER RESISTANT	WR301	UV Resistance, Medium Viscosity (MFR : 9g/10min)
	WR701	UV Resistance, Low Viscosity (MFR : 27g/10min)
	WR303	Weather Resistance
LOW-FRICTION & WEAR-RESISTANCE	SL201HS	Low-friction & Wear-resistance, High Strength
	TF302	PTFE powder 10% Reinforced
	TF304	PTFE powder 20% Reinforced
	MS301	Molybdenum Reinforced
	LF301	Low-friction & Wear-resistance
	LF302	Low-friction & Wear-resistance, Low warpage
	LW301	Low-friction & Wear-resistance
	LW701	Low-friction & Wear-resistance
	LW302	Low-friction & Wear-resistance
	SO301	Silicon Reinforced
CONDUCTIVE GRADE	VT100	Conductive Grade, for Extrusion
	CB301	Conductive Grade
	CF702	Carbon Fiber Reinforced
LOW VOC EMISSION	K100LO2	Low VOC, High Viscosity (MFR : 3g/10min)
	K300LO2	Low VOC, Medium Viscosity (MFR : 9g/10min)
	K500LO2	Low VOC, Medium Viscosity (MFR : 15g/10min)
	K700LO2	Low VOC, Low Viscosity (MFR : 27g/10min)
	K100HSLO2	Low VOC, High Strength (MFR : 3g/10min)
	K500HSLO2	Low VOC, High Strength (MFR : 15g/10min)
	UR302LO2	Low VOC, Impact Modified
	UR304LO2	Low VOC, Impact Modified
	UR309LO2	Low VOC, Impact Modified
	WL303LO2	Low VOC, Weather Resistance
	WR301LO2	Low VOC, Weather Resistance
	WR701LO2	Low VOC, Weather Resistance
	LF301LO2	Low VOC, Low-friction & Wear-resistance
	LW301LO2	Low VOC, Low-friction & Wear-resistance
	MS301LO2	Low VOC, Low-friction & Wear-resistance
	SO301LO2	Low VOC, Low-friction & Wear-resistance
SPECIAL MATERIALS	MC301LO2	Metallic Color
	LM301	Laser markable



Salt & Pepper (S&P) blending available as option vs. precolour



The lower the volume, the greater the cost advantage of salt/pepper over pre-color.



- UL
- FOOD CONTACT (FDA & EU REGULATION)
- KTW
- BS6920(WRAS)
- ACS
- NSF61
- REACH

- ISO 9001
- ISO/TS 16949
- ISO 14001



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