

# PRODUCT INFORMATION

Metric & SI unit

Acetal Copolymer  
**KEPITAL**®

KOREA ENGINEERING PLASTICS CO.,LTD.

## LX-30 BK

Laser markable grade(black color)

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	–	1.41
Water Absorption	ASTM D570	%	0.20
<b>Thermal</b>			
Melt Index	ASTM D1238	g/10min	27.5
Melting Point	ASTM D3418	°C	165
Heat Deflection Temperature	ASTM D648	°C	113
<b>Mechanical</b>			
Tensile Strength	ASTM D638	kg <sub>f</sub> /cm <sup>2</sup> (MPa)	620 (61)
Tensile Elongation	ASTM D638	%	65
Flexural Strength	ASTM D790	kg <sub>f</sub> /cm <sup>2</sup> (MPa)	905 (89)
Flexural Modulus	ASTM D790	x 10 <sup>4</sup> kg <sub>f</sub> /cm <sup>2</sup> (MPa)	2.70 (2,648)
Notched Izod Impact Strength	ASTM D256	kg <sub>f</sub> · cm/cm (J/m)	6.8 (67)

**Properties are subject to change with a new knowledge and development.**

Although the information and recommendations set forth herein are presented in good faith and believed to be correct, we recommend that persons receiving information must make their own determination as to its suitability to their purposes prior to use. These are based on natural colored products only through relevant test methods and conditions. The KOREA ENGINEERING PLASTICS CO., LTD. assumes no warranty or liability of, express or implied, as to the accuracy or completeness thereof, or any other nature regarding designs, products, or information may be used without infringing the intellectual property rights of others. Further, the data furnished by KEP are not intent to replace any testing required to determine a suitability of any application and set a specification limit for design.

KOREA ENGINEERING PLASTICS CO., LTD.  
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 Research Center Tel. 82-031-436-1300

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## LX-30 BK

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Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	–	1.41
Water Absorption	ASTM D570	%	0.20
<b>Thermal</b>			
Melt Index	ASTM D1238	g/10min	27.5
Melting Point	ASTM D3418	°C (°F)	165 (329)
Heat Deflection Temperature	ASTM D648	°C (°F)	113 (235)
<b>Mechanical</b>			
Tensile Strength	ASTM D638	kg <sub>f</sub> /cm <sup>2</sup> (psi)	620 (8,818)
Tensile Elongation	ASTM D638	%	65
Flexural Strength	ASTM D790	kg <sub>f</sub> /cm <sup>2</sup> ( x 10 <sup>3</sup> psi)	905 (12.9)
Flexural Modulus	ASTM D790	x 10 <sup>4</sup> kg <sub>f</sub> /cm <sup>2</sup> ( x 10 <sup>4</sup> psi)	2.70 (38.4)
Notched Izod Impact Strength	ASTM D256	kg <sub>f</sub> · cm/cm(ft · lb/in)	6.8 (1.2)

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