

## Samsung Cheil Industries Starex<sup>®</sup> EA-0640 ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

### Material Notes:

Permanent static prevention ABS material such as LCD carrier Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-EA-0640-ABS-Unreinforced.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-EA-0640-ABS-Unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	1.8 g/10 min	1.8 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Å°C	@Load 11.0 lb, Temperature 392 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ASTM D785
Tensile Strength at Break	33.3 MPa	4830 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	50.0 MPa	7250 psi	5 mm/min; ASTM D638
Elongation at Break	20 %	20 %	5 mm/min; ASTM D638
Tensile Modulus	1.96 GPa	284 ksi	5 mm/min; ASTM D638
Flexural Strength	73.5 MPa	10700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.86 J/cm	3.49 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
	1.96 J/cm	3.67 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 Å°C	187 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	83.0 Å°C	181 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	98.0 Å°C	208 Å°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	100 Å°C Metric	212 Å°F English	Comments
Flammability, UL94	HB  @Thickness 1.50 - 6.00 mm	HB  @Thickness 0.0591 - 0.236 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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