

Samsung Cheil Industries Starex® ES-0173 ABS, Extrusion Grade

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

Material Notes:

Extrusion ABS for the interior of refrigerator with HCFC-141b, down gauging characteristic Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-ES-0173-ABS-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	2.6 g/10 min @Load 10.0 kg, Temperature 220 Â°C	2.6 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Elongation at Break	60 %	60 %	20 mm/min; ASTM D638
Flexural Strength	52.0 MPa	7540 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	3.53 J/cm @Thickness 6.35 mm	6.61 ft-lb/in @Thickness 0.250 in	ASTM D256
	4.41 J/cm @Thickness 3.17 mm	8.27 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	89.0 Â°C @Thickness 6.40 mm	192 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	97.0 Â°C	207 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.30 - 1.40 mm	HB @Thickness 0.0512 - 0.0551 in	

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Yellow Index	20 % @Thickness 3.20 mm	20 % @Thickness 0.126 in	ASTM D1925

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China