



STYRON™

Cold Appliances

Asia Pacific



FAST FACTS

Top-notch Technology for Refrigerator Liners

Styron is a recognized leader in home appliances with best-in-class products, especially for refrigerators. With an innovative technical team continuously developing new materials that perform to the highest standard while allowing for material savings to reduce cost and contribute to environmental sustainability, Styron is committed to make our customers' refrigerators more durable, more affordable and more appealing:

- An industry leader in home appliances with a portfolio of best-in-class resins
- Highest ESCR¹ for superior durability of your refrigerators
- Highest gloss in the market for consumer appeal
- Offering cost savings opportunities via downgauging your liners for up to 10%

STYRON A-TECH™ polystyrene resins allow you to downgauge, maintain your quality standard and meet consumer's demands today and tomorrow.

¹ESCR refers to "Environmental Stress Crack Resistance"

A Complete Portfolio for a Range of Refrigerator Needs

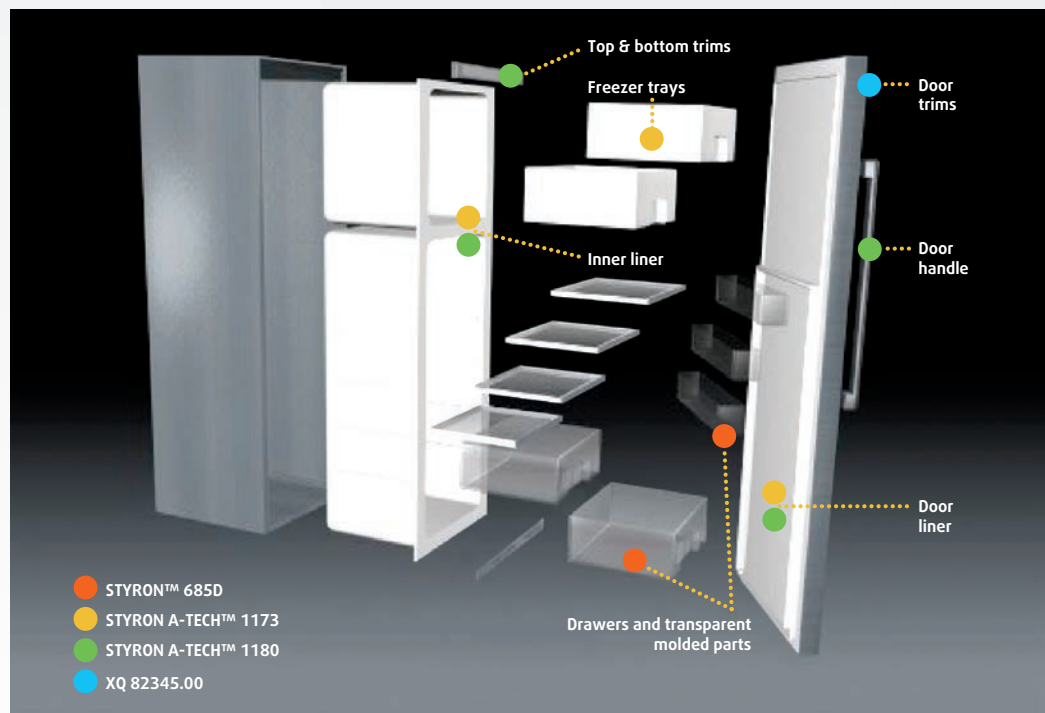


Table 1: Styron Products for Refrigerator Applications

Product	Generic ¹	Major Characteristics	Refrigerator Applications
STYRON A-TECH™ 1173	PS (HIPS)	<ul style="list-style-type: none"> • Able to downgauge refrigerator liners for up to 10% – cost saving! • High stiffness and high strength • Good practical toughness • ESCR performance • Easy processing 	<ul style="list-style-type: none"> • Inner and door liners
STYRON A-TECH™ 1180	PS (HIPS)	<ul style="list-style-type: none"> • High gloss • High heat • Excellent Toughness • Good practical toughness 	<ul style="list-style-type: none"> • Door end caps • Gloss capping layer • Handle • Door top & bottom trims • Top cover
STYRON™ 470	PS (HIPS)	<ul style="list-style-type: none"> • Good practical toughness • Heat resistance • Easy processing 	<ul style="list-style-type: none"> • Drawers (non-transparent)
STYRON™ 685D	PS (GPPS)	<ul style="list-style-type: none"> • High heat resistance • High tensile strength • High stiffness 	<ul style="list-style-type: none"> • Transparent drawer • Refrigerator accessories
XQ 82345.00	PS (HIPS)	<ul style="list-style-type: none"> • Good gloss • High stiffness • High flow 	<ul style="list-style-type: none"> • Door trims

¹PS = Polystyrene; HIPS = High Impact Polystyrene; GPPS = General Purpose Polystyrene

Figure 1: Styron Products in Refrigerator Components



But Don't Take Our Word for It

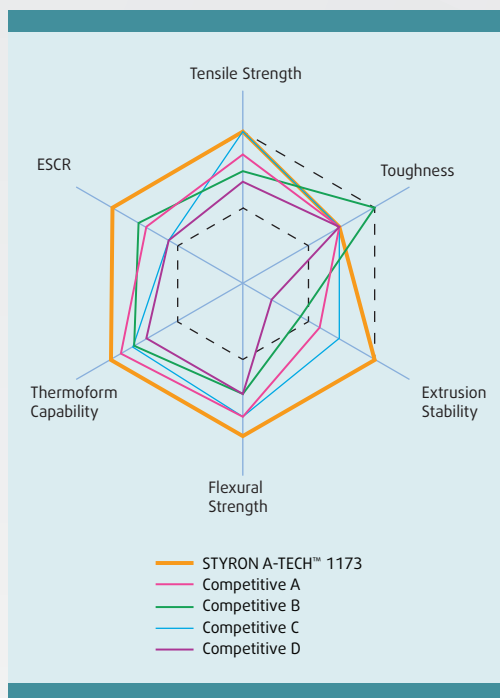
Why Is STYRON A-TECH™ 1173 PS Resin the Preferred Choice for Refrigerator Liners?

- Best-in-class and best-in-market
- ESCR to stand up to spilled food and foaming agents
- Potential to downgauge for up to 10% compared to competitive polystyrene resins – cost savings!
- Reduced weight, scrap and raw material usage
- Smooth and white finish that retains for years

An Exclusive Solution

A complete portfolio with all the right attributes for refrigerator liners and other parts.

Figure 2: Properties Comparison of STYRON A-TECH™ 1173 PS Resin to Competitive Materials



“We select our suppliers not only on price but also on their ability to offer us solutions, Styron is such a solution provider. Styron is not only selling us raw materials but also new solutions for our products. Styron helps us make products with a competitive advantage.”

– Ms. Jue Liu, Strategic Sourcing Manager, Haier

“According to Styron’s technical research, high strength in materials is essential in downgauging. Among all materials we have used, STYRON A-TECH™ 1173 is the best in flexural and tensile strength. Compared to other brands, this product allows even more downgauging. With the on-site support provided by Styron’s excellent technical engineering team, we are confident that Hisense products come with excellent quality and the lightest liner.”

– Mr. You Feiyue, R&D Material Department Director, Hisense Ronshen (Guangdong) Refrigerator Co.,Ltd



STYRON™



For more information on products, innovations, expertise, and other services available from Styron, visit www.styron.com, or contact us as indicated below.

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