

# Styrolution PS 454N

Hochschlagfestes Polystyrol  
Styrolution Group GmbH



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## Technical Data

### Produktbeschreibung

Styrolution PS 454N is an impact resistant polystyrene with a good balance of toughness, high flow, heat resistance and high gloss.

#### Applications

TV front panels and back covers. VCR fronts, internal parts for refrigerators, office and household articles. Vacuum cleaner housings, toilet flush, telephones, air conditioner housings, toys, coextruded gloss layer.

### Allgemein

Materialstatus	• Kommerziell: Aktiv
Literatur <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
UL Yellow Card <sup>2</sup>	• <a href="#">E108538-100840249</a>
Search for UL Yellow Card	• <a href="#">Styrolution Group GmbH</a> • <a href="#">Styrolution PS</a>
Verfügbarkeit	• Europa
Merkmale	• Gute Zähigkeit • Hoch Glanz • Hohe Wärmebeständigkeit • Hoher Fluss • Hohe Schlagzähigkeit
Anwendungen	• Einrichtungskomponenten • Gehäuse • Spielzeuge • TV Gehäuse • Weisse Waren und Kleine Vorrichtungen
Form	• Granulat

Physikalische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Dichte	1,05	g/cm <sup>3</sup>	ISO 1183
Schmelzevolumenrate (MVR) (200°C/5,0 kg)	14,0	cm <sup>3</sup> /10min	ISO 1133
Wasseraufnahme			
Sättigung, 23°C <sup>4</sup>	< 0,10 %		ISO 62
Gleichgewicht, 23°C, 50% RH	< 0,10 %		
Mechanische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Zug-Modul	2200	MPa	ISO 527-2
Dehnungsbeanspruchung (Einsinkweg)	27,0	MPa	ISO 527-2
Streckdehnung			ISO 527-2
Einsinkweg	1,4	%	
Bruch	25	%	
Kerbschlag Eigenschaften	Nominalwert	Einheit	Prüfmethode
Charpy-Kerbschlagzähigkeit (+23°C) (23°C)	16	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy-Schlagzähigkeit, ungekerbt			ISO 179/1eU
-30°C	120	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Thermische Eigenschaften	Nominalwert	Einheit	Prüfmethode
Vicat-Erweichungstemperatur	82,0	°C	ISO 306/B50
Massetemperatur	180 bis 260	°C	

### Anmerkungen

<sup>1</sup> Über diese Links haben Sie Zugriff auf die Herstellerliteratur. Wir setzen uns dafür ein, diese Literatur stets auf dem neuesten Stand zu halten; die aktuelle Literatur erhalten Sie in jedem Fall auch direkt beim Hersteller.

<sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>3</sup> Typische Eigenschaften, nicht als Spezifikationen anzusehen

<sup>4</sup> Method A

## Styrolution PS 454N

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### Vertriebspartner

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#### Hersteller

##### Styrolution Group GmbH

, Germany

Telefon: +49-69-5095-501200

Web: <http://www.styrolution.com/>

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#### Distributeur

##### ALBIS Plastic

*ALBIS PLASTIC is a pan-European distribution and compounding company. Contact ALBIS PLASTIC for availability of individual products per country.*

Telefon: +49-40-78105-0

Web: <http://www.albis.com/>

Availability: Europe

##### Ultrapolymers

*Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.*

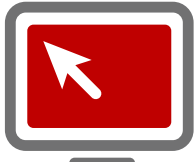
Telefon: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Europe



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### Prospector Plastics Database - [www.ides.com/prospector](http://www.ides.com/prospector)

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

*"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"*

– Birgit Elvardt Bader, Production Manager, Micotron

#### Power Searches

**Property Search** – select plastics by 500 key properties and design parameters.

**Alternative Resins Search** – find replacement plastics within minutes.

**Automotive Plastics Search** – easily locate automotive approved plastics.

**Curve Data** – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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