

TPSiV® 4200-70A

Thermoplastic Elastomer

DuPont Mobility & Materials

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

Silicone thermoplastic elastomer with good chemical resistance and excellent abrasion and scratch resistance.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• DuPont Mobility & Materials		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
RoHS Compliance	• Contact Manufacturer		

Physical	Nominal Value Unit	Test Method
Density	1.18 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	27 g/10 min	ISO 1133
Molding Shrinkage - Flow	2.0 %	ISO 294-4

Mechanical	Nominal Value Unit	Test Method
Flexural Modulus	32.8 MPa	ISO 178
Flexural Stress	2.40 MPa	ISO 178

Elastomers	Nominal Value Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	3.90 MPa	ISO 37
Tensile Stress - Across Flow (Break)	14.5 MPa	ISO 37
Tensile Elongation - Across Flow (Break)	> 300 %	ISO 37
Tear Strength - Across Flow	48.6 kN/m	ISO 34-1
Compression Set		ISO 815
23°C	22 %	
70°C, 24 hr	75 %	

Additional Information	Nominal Value Unit
Compatibility	• Polycarbonate • Styrenics • Acrylic Polymers

Injection	Nominal Value Unit
Drying Temperature	70 °C
Drying Time - Desiccant Dryer	2.0 to 4.0 hr
Melt Temperature, Optimum	195 °C
Mold Temperature	20 to 40 °C
Mold Temperature, Optimum	30 °C
Drying Recommended	yes
Maximum Screw Tangential Speed	24 m/min

Extrusion	Nominal Value Unit
Drying Temperature	70 °C
Drying Time	2.0 to 4.0 hr
Melt Temperature	185 to 205 °C

Notes

¹ Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

DuPont Mobility & Materials
Wilmington, Wilmington USA
Telephone: 302-999-4592
Web: <http://plastics.dupont.com/>

Distributor

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>

Telephone: 800-232-4273

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

Availability: North America

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

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

Availability: France, Italy, Romania, United Kingdom

Nexeo Plastics - Europe

Nexeo Plastics is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

Telephone: +34-93-480-9125

Web: <https://www.nexeoplastics.com/>

Availability: Belgium, Denmark, Finland, Luxembourg, Netherlands, Norway, Portugal, Russian Federation, Spain, Sweden

