

Pibiflex® E4482

Thermoplastic Copolyester Elastomer

Taro Plast S.p.A.

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PIBIFLEX® E4482 is a nominal 44 Shore D thermoplastic polyester elastomer with high melting point that is used for extrusion molding applications and use as a performance modifier for TPE compounding.

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• Taro Plast S.p.A. • Pibiflex®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Film		
Processing Method	• Extrusion	• Film Extrusion	

Physical	Nominal Value Unit	Test Method
Density	1.19 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.3 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break)	31.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 450 %	ISO 527-2/50
Flexural Modulus (23°C)	143 MPa	ISO 178

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D, 15 sec)	44	ISO 868

Thermal	Nominal Value Unit	Test Method
Melting Temperature ²	213 °C	ISO 11357-3

Injection	Nominal Value Unit
Drying Temperature	100 to 110 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.050 %

Notes

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

² 10°C/min



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Where to Buy

Supplier

Taro Plast S.p.A.

Parma, Parma Italy

Telephone: +39-5-24-59-67-11

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

Distributor

Entec Polymers

Telephone: 833-319-0299

Web: https://www.entecpolymers.com/?utm_source=ul&utm_medium=paid%20association&utm_campaign=entec%20%7C%20entec%201&utm_term=ul%20%7C%20where%20to%20buy

Availability: North America

Entec Polymers Latin America

Contact Entec Polymers for availability of individual products by country.

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

Availability: Latin America

