Pibiflex® E4482

Thermoplastic Copolyester Elastomer **Taro Plast S.p.A.**



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.

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



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