

RITEFLEX® 847 - TPC

Experimental Grade. Please contact your Celanese representative for further information.

Description

Riteflex 847 is a polyester thermoplastic elastomer with high melt strength and nominal Shore D hardness of 47 D for use in film extrusion applications.

Physical properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ISO 1183
Melt flow rate, MFR	5	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Flexural modulus, 80°C	108	MPa	ISO 178

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 10% strain, 1BA	7.1	MPa	ISO 527-1, -2
Tensile stress at 50% strain, 1BA	11.2	MPa	ISO 527-1, -2
Tensile strain at break, 1BA	350	%	ISO 527-1, -2
Tensile stress at break, 1BA	22.6	MPa	ISO 527-1, -2
Shore D hardness, 15s	47	-	ISO 868

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	211	°C	ISO 11357-1/-3

Other text information

Pre-drying

To avoid hydrolytic degradation during processing, Riteflex resins have to be dried to a moisture level equal to or less than 0.05%. Drying should be done in a dehumidifying hopper dryer capable of dewpoints <-40°F (-40°C) at 225°F (107°C) for 4 hours.

Characteristics

Product Categories

Unfilled