

**RITEFLEX® 863 - TPC**

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

**Description**

Riteflex 863 is a polyester thermoplastic elastomer with high melt strength and a nominal Shore D hardness of 63 D for film extrusion applications.

Physical properties	Value	Unit	Test Standard
Density	1220	kg/m <sup>3</sup>	ISO 1183
Melt flow rate, MFR	4	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	421	MPa	ISO 527-2/1A
Flexural modulus, 23°C	416	MPa	ISO 178
Izod impact notched, -40°C	18	kJ/m <sup>2</sup>	ISO 180/1A

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 50% strain, 1BA	21.3	MPa	ISO 527-1, -2
Tensile strain at break, 1BA	246	%	ISO 527-1, -2
Tensile stress at break, 1BA	27.6	MPa	ISO 527-1, -2
Shore D hardness, 15s	63	-	ISO 868

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	217	°C	ISO 11357-1/-3

**Characteristics**
**Product Categories**

Unfilled