

RITEFLEX® 663HS - TPC

Description

Riteflex 663HS is a heat stabilized, nominal 63 Shore D thermoplastic polyester elastomer with medium modulus

Physical properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183
Melt flow rate, MFR	16	g/10min	ISO 1133
MFR temperature	240	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Flexural modulus, 23 °C	265	MPa	ISO 178
Flexural strength, 23 °C	8.5	MPa	ISO 178
Charpy impact strength, 23 °C	102	kJ/m ²	ISO 179/1eU

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile strain at break, 1BA	304	%	ISO 527-1, -2
Tensile stress at break, 1BA	25	MPa	ISO 527-1, -2
Shore D hardness, 15s	60	-	ISO 868

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10 °C/min	207	°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