

RITEFLEX® 830 - TPC

Description

Riteflex 830 is a high melt strength extrusion grade with nominal shore D hardness of 30.

Physical properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183
Melt flow rate, MFR	3.5	g/10min	ISO 1133
MFR temperature	190	°C	ISO 1133
MFR load	2.16	kg	ISO 1133
Water absorption, 23°C-sat	0.7	%	ISO 62

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	20	MPa	ISO 527-2/1A
Flexural modulus, 23°C	25	MPa	ISO 178
Charpy notched impact strength, 23°C	NB	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	NB	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile strain at break, 1BA	>500	%	ISO 527-1, -2
Shore D hardness, 15s	27	-	ISO 868

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	165	°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 215°F (102°C) for 4 hours.

Characteristics

Product Categories

Unfilled