

RITEFLEX® 447HRHS blk - TPC

Description

RITEFLEX 447 HRHS is a heat stabilized, hydrolysis resistant and nominal 42 Shore D thermoplastic polyester elastomer with a high melting point

Physical properties	Value	Unit	Test Standard
Density	1150	kg/m ³	ISO 1183
Melt volume rate, MVR	18	cm ³ /10min	ISO 1133
MVR temperature	230	°C	ISO 1133
MVR load	2.16	kg	ISO 1133

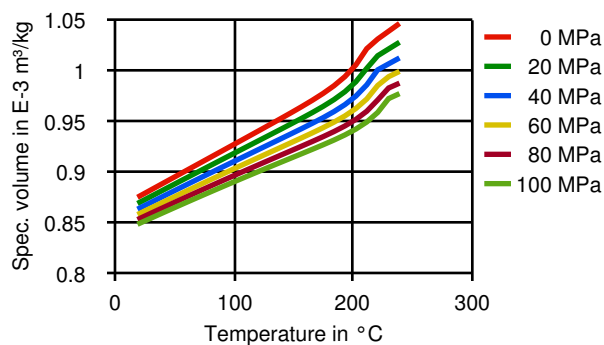
Mechanical properties	Value	Unit	Test Standard
Tensile strain at break, 50mm/min	>500	%	ISO 527-2/1A
Flexural stress at 3.5% strain	4	MPa	ISO 178

Mechanical properties (TPE)	Value	Unit	Test Standard
Shore D hardness, 15s	42	-	ISO 868

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	212	°C	ISO 11357-1/-3

Diagrams

Moldflow Specific volume-temperature (pvT)



Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Melt temperature	≤240	°C	-

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.

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Special Characteristics	Delivery Form
Hydrolysis resistant	Pellets
Product Categories	Additives
Unfilled	Lubricants
Processing	
Injection molding	