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Hytrel® HTR8532 NC010 (PRELIMINARY)

THERMOPLASTIC POLYESTER ELASTOMER

Hytrel® HTR8532 NC010 is a High Viscosity Polyester Elastomer with High Moisture Vapor Transmission Rate Developed for Extrusion

Product information

Resin Identification	TPC-ET		ISO 1043
Part Marking Code	>TPC-ET<		ISO 11469

Rheological properties

	dry/cond.		
Melt mass-flow rate	4.5 / *	g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 / *	°C	
Melt mass-flow rate, Load	2.16 / *	kg	

Typical mechanical properties

	dry/cond.		
Tensile modulus	80 / -	MPa	ISO 527-1/-2
Stress at 10% elongation	5 / -	MPa	ISO 527-1/-2 or ISO 37
Tensile stress at break	20 / *	MPa	ISO 527-1/-2
Tensile strain at break	>300 / *	%	ISO 527-1/-2
Poisson's ratio	0.49 / -		
Shore D hardness, 15s	38 / -		ISO 48-4 / ISO 868
Shore D hardness, max	42 / *		ISO 868

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	200 / *	°C	ISO 11357-1/-3

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.3 / *[DS]	%	Sim. to ISO 62
Water absorption, Immersion 24h	35 / *	%	Sim. to ISO 62
Density	1190 / -	kg/m³	ISO 1183
Density of melt	1020	kg/m³	

[DS]: Derived from similar grade

Extrusion

Drying Temperature	90 - 110	°C
Drying Time, Dehumidified Dryer	4 - 6	h
Processing Moisture Content	≤0.03	%
Melt Temperature Optimum	230	°C
Melt Temperature Range	220 - 240	°C

Characteristics

Processing	Film Extrusion, Extrusion
Delivery form	Pellets
Special characteristics	Light stabilised or stable to light, Colourable

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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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