

# 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/m <sup>3</sup>	ISO 1183
Density of melt	1020	kg/m <sup>3</sup>	

[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