

Product Information

DuPont™ Hytrel®

thermoplastic polyester elastomer

PRELIMINARY DATA

Hytrel® HTR8625 BK316

Hytrel® HTR8625 is a 65 Shore D, heat stabilised, plasticiser free high performance resin for extrusion. It has high viscosity, outstanding mechanical properties at high temperature and excellent automotive fluids resistance.

Property	Test Method	Units	Value
Mechanical			
Hardness, Shore D 15s	ISO 868	D scale	60
Tensile Modulus	ISO 527	MPa	330
Stress at 10% strain	ISO 527	MPa	16
Stress at Break	ISO 527	MPa	40
Strain at Break	ISO 527	%	300
Tear strength	ISO 34	kN/m	170
Notched Charpy -30°C	ISO 179/1eA	kJ/m ²	9
Brittleness Temperature	ISO 974	°C	-70
Thermal			
Melting Temperature 10°C/min	ISO 11357-1/-3	°C	210
Vicat 10N, 50°C/h	ISO 306	°C	197
Rheological			
Melt Mass Flow Rate 230°C, 10kg	ISO 1133	g/10 min	12
Other			
Density	ISO 1183	g/cm ³	1.20
Processing - Extrusion			
Drying Temperature		°C	100
Drying Time, dehumidified dryer		h	2 - 3
Processing Moisture Content		%	< 0.08
Melt Temperature		°C	240

Contact DuPont for MSDS, general guides and/or additional information about ventilation, handling, purging, drying, etc.
Mechanical properties measured at 23°C (73°F) unless otherwise stated.

The above multi-point data are based on a limited amount of testing and are subject to change as additional data are developed.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zytel® are trademarks or registered trademarks of DuPont Company. Copyright © 2001

061017

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving permanent implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

plastics.dupont.com

