

## PRODUCT INFORMATION

# HERAFLEX E 2517 1000 NT

### DESCRIPTION

TPC-ET Thermoplastic Elastomer. Lowest Modulus, Nominal Shore D/15s 22. Natural colour

ISO 1043: TPC-ET

REGIONAL AVAILABILITY: North America, Europe, Asia Pacific, South and Central America, Near East/Africa

### MATERIAL HANDLING AND PROCESSING

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.05%. Typical conditions with a desiccant drier: temperature 110 ° C, dew point -30 ° C or below, time 2-4 h or more. Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored.

#### Injection Molding Processing Parameters

Melt Temperature  
190 - 200°C

Mold Temperature  
30 - 50°C

Injection Speed  
medium

### PRODUCT SAFETY AND APPROVALS

For safety instruction please refer to Material Safety Data Sheet  
ROHS compliant 2011/65/UE and following amendments

## TECHNICAL DATA SHEET

# HERAFLEX E 2517 1000 NT

PROPERTY	STANDARD	UNIT	VALUE	
<b>PHYSICAL PROPERTIES</b>				
Density	ISO 1183	kg/m <sup>3</sup>	1080	
Melt Flow Rate	ISO 1133	g/10min	12	
<b>MECHANICAL PROPERTIES</b>				
Tensile Modulus	1mm/min	ISO 527-2/1A	MPa	25
Nominal Strain at Break	50mm/min	ISO 527-2/1A	%	>800
Stress at 10% Elongation		ISO 527-2/1A	MPa	2
Stress at 100% Elongation		ISO 527-2/1A	MPa	5
Stress at 300% Elongation		ISO 527-2/1A	MPa	7
Flexural Modulus	2mm/min	ISO 178	MPa	35
Flexural Strength	2mm/min	ISO 178	MPa	4
Charpy Impact Strength	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	N
Charpy Notched Impact Strength	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	N
Shore D hardness	15s	ISO 7619-1	-	22
Shore D hardness	inst.	ISO 7619-1	-	25
<b>THERMAL PROPERTIES</b>				
Melting Temperature	10°C/min	ISO 11357-1/-3	°C	175
<b>ELECTRICAL PROPERTIES</b>				
Volume Resistivity	500V	IEC 60093	Ohm*m	1E13
Surface Resistivity	500V	IEC 60093	Ohm	1E12

1: Temperature [°C] / Load [kg]