

# DuPont™ Hytrel® 4069

## THERMOPLASTIC POLYESTER ELASTOMER

Hytrel®			
UV			
Hytrel®			
Hytrel®	24kJ/g		
Hytrel®			
<b>Hytrel® 4069 D40</b>			
		TPC-ET	ISO 1043
		TPC-ET	ISO 11469
	MVR	8.8 cm³/10min	ISO 1133
		220 °C	ISO 1133
		2.16 kg	ISO 1133
		8.5 g/10min	ISO 1133
		220 °C	ISO 1133
		2.16 kg	ISO 1133
		1.0 %	ISO 294-4, 2577
		0.9 %	ISO 294-4, 2577
(TPE)		45 MPa	ISO 527-1/-2
10%		3.2 MPa	ISO 527-1/-2
50%		6.7 MPa	ISO 527-1/-2
TPE		29 MPa	ISO 527-1/-2
TPE		>300 %	ISO 527-1/-2
		800 %	ISO 527-1/-2
		100 kN/m	ISO 34-1
		100 kN/m	ISO 34-1
D,		37 -	ISO 7619-1
D, 15s		33 -	ISO 7619-1
		45 MPa	ISO 178
			ISO 179/1eU
+23°C		N kJ/m²	
-30°C		N kJ/m²	
			ISO 179/1eA
+23°C		N kJ/m²	
-30°C		N kJ/m²	
-40°C		N kJ/m²	
		-96 °C	ISO 974
			ISO 180/1A
23°C		N kJ/m²	
-40°C		N kJ/m²	
	10°C/min	193 °C	ISO 11357-1/-3
	10°C/min	-50 °C	ISO 11357-1/-2
	0.45 MPa	49 °C	ISO 75-1/-2

To find out more, visit [DuPont Performance Polymers](#) or contact nearest DuPont location.

North America

Asia Pacific

Europe/Middle East/Africa

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	130 °C	ISO 306
	220 E-6/K	ISO 11359-1/-2
		ISO 11359-1/-2
-40-23°C	200 E-6/K	
-40-23°C	280 E-6/K	
	280 E-6/K	
1.5mm	50 °C	UL 746B
3mm	50 °C	
1.5mm	50 °C	UL 746B
3mm	50 °C	
1.5mm	50 °C	UL 746B
3mm	50 °C	
1.5mm	HB class	IEC 60695-11-10
	1.5 mm	IEC 60695-11-10
UL	yes -	UL 94
h	HB class	IEC 60695-11-10
	3 mm	IEC 60695-11-10
UL	yes -	UL 94
	20 %	ISO 4589-1/-2
	HB -	IEC 60695-11-10
FMVSS Class	B -	ISO 3795 (FMVSS 302)
1	<100 mm/min	ISO 3795 (FMVSS 302)
		IEC 62631-2-1
100Hz	4.8 -	
1MHz	4.7 -	
		IEC 62631-2-1
100Hz	130 E-4	
1MHz	200 E-4	
	4E10 Ohm*m	IEC 62631-3-1
	3E14 Ohm	IEC 62631-3-2
	18 kV/mm	IEC 60243-1
	600 -	IEC 60112
, 2mm	0.3 %	ISO 62
, 2mm	0.7 %	ISO 62
	1110 kg/m³	ISO 1183
	1100 kg/m³	-
, 24	0.7 %	ISO 62
( )		
, 23°C/85%RH	900 g/(m²*d)	DIS 15106-1/-2
	0.025 mm	-
VDA		
	10 □ gC/g	VDA 277
	4 class	VDA 270
	-	-
	≥ 100 °C	-
	2 - 3 h	-
	≤ 0.08 %	-
	225 °C	-
	220 °C	-

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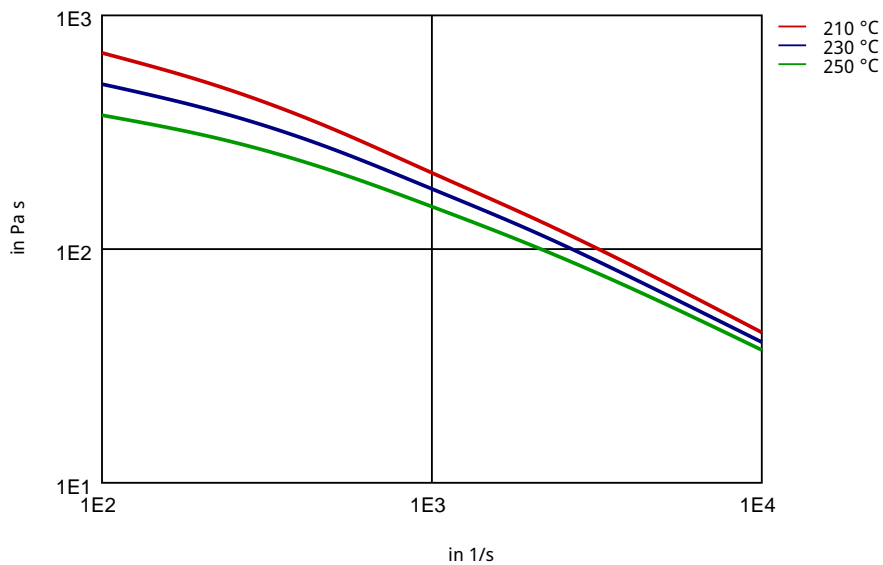
250 °C	-
40 °C	-
30 °C	-
40 °C	-

90 - 110 °C	-
2 - 3 h	-
≤ 0.06 %	-
215 °C	-
210 - 225 °C	-

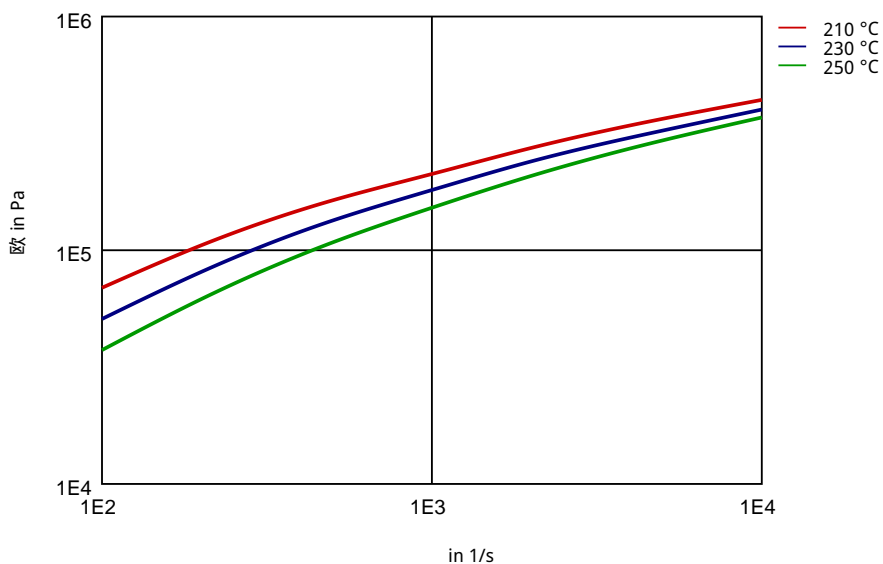
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## THERMOPLASTIC POLYESTER ELASTOMER

- ✓ (5g/100g) (23°C)
- ✓ (10g/100g) (23°C)
- ✓ (10g/100g) (23°C)
- ✗ (36g/100g) (23°C)
- ✗ (40g/100g) (23°C)
- ✗ (38g/100g) (23°C)
- ✓ (5g/100g) (23°C)
- ✗ (40g/100g) (23°C)

- ✓ (35g/100g) (23°C)
- ✓ (1g/100g) (23°C)
- ✓ ( ) (10g/100g) (23°C)

- ✓ (23°C)
- ✓ (23°C)
- ✓ (23°C)

- ✓ n- (23°C)
- ✓ (23°C)
- ✓ (23°C)

- ✗ (23°C)

- ✗ ( ) (23°C)

- ✓ SAE 10W40 (23°C)
- ✗ SAE 10W40 (130°C)
- ✗ SAE 89/90 (130°C)
- ✓ (23°C)

- ✗ ISO 1817 1 (60°C)
- ✗ ISO 1817 2 (60°C)
- ✗ ISO 1817 3 (60°C)
- ✗ ISO 1817 4 (60°C)
- ✓ ( C ISO 1817 ) (23°C)
- ✓ ( 4 ISO 1817 ) (23°C)

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## THERMOPLASTIC POLYESTER ELASTOMER

- ✓ ( F ISO 1817 ) (23°C)
- ✓ ( F ISO 1817 ) (90°C)
- X ( F ISO 1817 ) (>90°C)

- ✓ (10g/100g) (23°C)
- X (10g/100g) (23°C)
- ✓ (20g/100g) (23°C)
- ✓ (2g/100g) (23°C)
- ✓ (50g/100g) (23°C)

- ✓ (23°C)
- X (23°C)
- X DOT4 (130°C)
- X (50g/100g) (108°C)
- ✓ 1g/100g - (23°C)
- ✓ (50g/100g) + (50g/100g) (23°C)
- ✓ (23°C)
- ✓ (90°C)
- ✓ (5g/100g) (23°C)

**Symbols used:**

✓ possibly resistant

Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).

X not recommended - see explanation

Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).

4mm Hytrel® 2mm) IEC / 2mm ASTM 3.2mm ISO 23°C.

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