

Material Specification

P07 Revision A

Thermoplastic Polyurethane EL72

Material Specification					
Created: MZ	Date: 10/12/10	Revision: A	Released: 10/13/10	Material Code: P07	Description: TPU

1. Scope

This document describes property requirements for a material primarily used in sealing applications.

2. Specification

Hardness	DIN 53505	74D
Density	DIN 53479	1.20 g/cm ³
Tensile Strength	D412	48.9 N/mm ²
Ultimate Elongation	D412	230.0%
100% Modulus	D412	36.5 N/mm ²
200% Modulus	D412	40.7 N/mm ²
Split Tear	D470	24.5 kN/m
Die C Tear	D624	158.0 kN/m
Compressive Modulus	D575	
5%		14.8 N/mm ²
10%		25.5 N/mm ²
15%		32.4 N/mm ²
20%		41.4 N/mm ²
25%		50.0 N/mm ²
Minimum Service Temp.		-35° C
		-31° F
Maximum Service Temp.		110° C
		230° F
Brittle Temp.	D746	-70° C
		-94° F
Color		Natural/Yellow

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3. Test References

Hardness D	DIN 53505
Density	DIN 53479
Tensile Strength	D412
Ultimate Elongation	D412
100% Modulus	D412
200% Modulus	D412
Split Tear	D470
Die C Tear	D624
Compressive Modulus	D575
Brittle Temp.	D746

4. Revisions

Revision: A
Date: 10/12/10
Written By: MEZ
Approved: CRH
Date Approved 10/13/10
Reason: Updated to new format

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